

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.

Alternatives to Group A's for Grass Control 2014-15

Trial ID: AM1506 Location: Mullaley Trial Year: 2014

Protocol ID: NGA1422 Investigator: Anthony Mitchell

Application Code:	A	B
Application Date:	17/01/2015	25/01/2015
Target Stage:	Post-emergent	Double Knock 7-10 days after Application A

Pest Scientific Name:				<i>Urochloa panicoides</i>		<i>Echinochloa colona</i>	
Pest Name:				Liverseed grass		Awnless Barnyard grass	
Rating Date:				16/02/2015	2/03/2015	16/02/2015	2/03/2015
Rating Type:				COUNT	COUNT	COUNT	COUNT
Rating Unit:				m ²	m ²	m ²	m ²
Days After First/Last Application:				30 22	44 36	30 22	44 36
ARM Action Codes:				AL	AL	AA	
Trt No.	Treatment	Product Rate	Appln. Code				
1	Untreated	-	-	61.7a		24.2a-d	
2	Untreated	-	A	15.8bcd	13.2abc	0.0i	1.0-
	Nuquat	2400ml/ha	B				
3	Verdict	100ml/ha	A	39.8ab		24.5a-d	
	Uptake	0.5% v/v	A				
4	Verdict	100ml/ha	A	3.3e-i	8.0c	0.9hi	0.0-
	Uptake	0.5% v/v	A				
	Nuquat	2400ml/ha	B				
5	Verdict	150ml/ha	A	47.1ab		16.1c-f	
	Uptake	0.5% v/v	A				
6	Verdict	150ml/ha	A	1.2ij	10.8abc	0.0i	0.0-
	Uptake	0.5% v/v	A				
	Nuquat	2400ml/ha	B				
7	Weedmaster 470 DST	1000ml/ha	A	41.8ab		32.5a	
8	Weedmaster 470 DST	1000ml/ha	A	28.1abc	20.0a	1.8hi	1.0-
	Nuquat	2400ml/ha	B				
9	Weedmaster 470 DST	2000ml/ha	A	1.2ij		5.3gh	
10	Weedmaster 470 DST	2000ml/ha	A	0.0j	0.0d	0.0i	0.0-
	Nuquat	2400ml/ha	B				
11	Nuquat	1600ml/ha	A	11.3cde		17.2b-f	
12	Nuquat	1600ml/ha	A	0.0j	0.3d	0.0i	0.0-
	Nuquat	2400ml/ha	B				
13	Nuquat	2400ml/ha	A	2.0hi		6.5fgh	
14	Nuquat	2400ml/ha	A	0.0j	0.0d	0.0i	0.0-
	Nuquat	2400ml/ha	B				
15	Balance	50g/ha	A	2.6f-i		11.6d-g	
	Nuquat	1600ml/ha	A				
16	Balance	50g/ha	A	0.0j	0.7d	0.0i	0.0-
	Nuquat	1600ml/ha	A				
	Nuquat	2400ml/ha	B				
17	Balance	100g/ha	A	2.0hi		0.9hi	
	Nuquat	1600ml/ha	A				
18	Balance	100g/ha	A	0.0j	0.3d	0.0i	0.0-
	Nuquat	1600ml/ha	A				
	Nuquat	2400ml/ha	B				
19	Velocity Selective	500ml/ha	A	3.3e-i		4.3gh	
	Nuquat	1600ml/ha	A				
20	Velocity	500ml/ha	A	0.0j	0.3d	0.0i	0.0-
	Nuquat	1600ml/ha	A				
	Nuquat	2400ml/ha	B				

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Pest Scientific Name: Pest Name: Rating Date: Rating Type: Rating Unit: Days After First/Last Application: ARM Action Codes:				<i>Urochloa panicoides</i> Liverseed grass		<i>Echinochloa colona</i> Awnless Barnyard grass	
				16/02/2015 COUNT m ² 30 22 AL	2/03/2015 COUNT m ² 44 36 AL	16/02/2015 COUNT m ² 30 22 AA	2/03/2015 COUNT m ² 44 36
Trt No.	Treatment	Product Rate	Appl. Code				
21	Diuron 900 DF Nuquat	200g/ha 1600ml/ha	A A	6.7d-h		12.7d-g	
22	Diuron 900 DF Nuquat Nuquat	200g/ha 1600ml/ha 2400ml/ha	A A B	0.0j	0.3d	0.0i	0.0-
23	Atragranz Nuquat	200g/ha 1600ml/ha	A A	1.5ij		11.6d-g	
24	Atragranz Nuquat Nuquat	200g/ha 1600ml/ha 2400ml/ha	A A B	0.0j	0.3d	0.0i	0.0-
25	Comet 400 Nuquat	400ml/ha 1600ml/ha	A A	2.3ghi		9.7efg	
26	Comet 400 Nuquat Nuquat	400ml/ha 1600ml/ha 2400ml/ha	A A B	0.0j	0.7d	0.0i	0.5-
27	Experimental H Bromicide 200 Hasten	55ml/ha 1400ml/ha 1% v/v	A A A	77.6a		26.9abc	
28	Experimental H Bromicide 200 Hasten Nuquat	55ml/ha 1400ml/ha 1% v/v 2400ml/ha	A A A B	8.5d-g	9.5bc	0.0i	1.0-
29	Experimental H Bromicide 200 Hasten	75ml/ha 1400ml/ha 1% v/v	A A A	62.9a		19.5a-e	
30	Experimental H Bromicide 200 Hasten Nuquat	75ml/ha 1400ml/ha 1% v/v 2400ml/ha	A A A B	0.7ij	7.8c	0.7hi	0.5-
31	Oat Master	2500ml/ha	A	74.9a		32.0ab	
32	Oat Master Nuquat	2500ml/ha 2400ml/ha	A B	18.6bcd	19.3ab	1.3hi	0.5-
33	Factor	180g/ha	A	58.9a		19.9a-e	
34	Factor Nuquat	180g/ha 2400ml/ha	A B	9.3c-f	21.3a	0.0i	0.0-
LSD P=.05				0.47t	0.29t	10.10t	nsd
Treatment Prob.(F)				0.0001	0.0001	0.0001	0.3645

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

Pest Type

W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop

Rating Type

COUNT = count

Rating Unit

m² = square meter

% = percent

ARM Action Codes

AL = Automatic log transformation of X+1

AA = Automatic arcsine square root % transformation

Application Description		
	A	B
Application Date:	17/01/2015	25/01/2015
Application Start Time:	5.00PM	9.00AM
Application Stop Time:	8.00 PM	10.00 AM
Application Method:	SPRAY	
Application Timing:	POEMW3	7-10DAA
Application Placement:	FOLIAR	
Air Temperature, Unit:	33 C	32 C
% Relative Humidity:	24	45
Wind Velocity, Unit:	2 KM	1 km
Wind Direction:	S	
Dew Presence (Y/N):	N no	
Soil Moisture:		SLIWET
% Cloud Cover:	0	30

Application Equipment		
	A	B
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:	7.2 km	
Spray Volume, Unit:	100 L/ha	