

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: RN1432
Protocol ID: NGA1422

Location: Crooble
Investigator: Rachel Norton

Trial Year: 2014

Application Code:	A	B
Application Date:	22/12/2014	30/12/2014
Target Stage:	3 tillers	Double knock 8 days after Application A

Scientific Pest Name:					<i>Chloris virgata</i>		<i>Dactyloctenium radulans</i>
Pest Name:					Feathertop Rhodes grass		Button grass
Rating Date:					06/01/2015	12/01/2015	12/01/2015
Rating Type:					VISUAL	COUNT	COUNT
Rating Unit:					% Control	/m ²	/m ²
Pest Stage Majority:					25	27	24
Days After First/Last Application:					15 7	21 13	21 13
ARM Action Codes:					ER2	AA T1	AL T2
Trt No.	Treatment Name	Product Rate	Appln. Code	Spray Volume			
1	Untreated	-	-	-	0e	36.0a	12.5a
2	Untreated	-	-	-	0e	23.7a-e	1.8b-f
	Nuquat	2400ml/ha	B	100L/ha			
3	Verdict 520	150ml/ha	A	70L/ha	20de	15.4d-g	1.3c-f
	Uptake	0.5% v/v	A	-			
4	Verdict 520	150ml/ha	A	70L/ha	48bcd	1.9ij	0.4c-f
	Uptake	0.5% v/v	A	-			
	Nuquat	2400ml/ha	B	100L/ha			
5	Verdict	300ml/ha	A	70L/ha	90ab	1.9ij	1.0c-f
	Uptake	0.5% v/v	A	-			
6	Verdict	300ml/ha	A	70L/ha	95a	0j	0.0f
	Uptake	0.5% v/v	A	-			
	Nuquat	2400ml/ha	B	100L/ha			
7	Weedmaster 470 DST	1000ml/ha	A	70L/ha	0e	21.4a-f	2.6bcd
8	Weedmaster 470 DST	1000ml/ha	A	70L/ha	8de	12.0e-h	0.6c-f
	Nuquat	2400ml/ha	B	100L/ha			
9	Weedmaster 470 DST	2000ml/ha	A	70L/ha	0e	22.2a-f	2.7bc
10	Weedmaster 470 DST	2000ml/ha	A	70L/ha	5de	12.2e-h	0.0f
	Nuquat	2400ml/ha	B	100L/ha			
11	Nuquat	1600ml/ha	A	100L/ha	0e	29.1a-d	2.1b-e
12	Nuquat	1600ml/ha	A	100L/ha	10de	16.7c-g	0.3def
	Nuquat	2400ml/ha	B	100L/ha			
13	Nuquat	2400ml/ha	A	100L/ha	0e	35.9a	1.7b-f
14	Nuquat	2400ml/ha	A	100L/ha	50de	26.1a-d	0.0f
	Nuquat	2400ml/ha	B	100L/ha			
15	Balance	50g/ha	A	70L/ha	45b-e	7.1ghi	2.1b-e
	Nuquat	1600ml/ha	A	100L/ha			
16	Balance	50g/ha	A	70L/ha	48bcd	1.4ij	0.1ef
	Nuquat	1600ml/ha	A	100L/ha			
	Nuquat	2400ml/ha	B	100L/ha			
17	Balance	100g/ha	A	70L/ha	100a	1.6ij	0.1ef
	Nuquat	1600ml/ha	A	100L/ha			
18	Balance	100g/ha	A	70L/ha	100a	0.0j	0.0f
	Nuquat	1600ml/ha	A	100L/ha			
	Nuquat	2400ml/ha	B	100L/ha			
19	Velocity	500ml/ha	A	70L/ha	0e	26.0a-d	1.2c-f
	Nuquat	1600ml/ha	A	100L/ha			
20	Velocity	500ml/ha	A	70L/ha	10de	10.1fgh	0.3def
	Nuquat	1600ml/ha	A	100L/ha			
	Nuquat	2400ml/ha	B	100L/ha			

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

Trial ID: RN1432 Location: Crooble Trial Year: 2014
 Protocol ID: NGA1422 Investigator: Rachel Norton

Scientific Pest Name:					<i>Chloris virgata</i>		<i>Dactyloctenium radulans</i>
					Feathertop Rhodes grass		Button grass
Pest Name:					06/01/2015	12/01/2015	12/01/2015
Rating Date:					VISUAL	COUNT	COUNT
Rating Type:					%	m ²	m ²
Rating Unit:					25	27	24
Pest Stage Majority:					15	21	21
Days After First/Last Application:					7	13	13
ARM Action Codes:					AA T1	AA T1	AL T2
Trt No.	Treatment Name	Product Rate	Appln. Code	Spray Volume			
21	Diuron 900 DF Nuquat	200g/ha 1600ml/ha	A A	70L/ha 100L/ha	0e	26.1a-d	2.3b-e
22	Diuron 900 DF Nuquat Nuquat	200g/ha 1600ml/ha 2400ml/ha	A A B	70L/ha 100L/ha 100L/ha	8de	15.7d-g	0.3def
23	Atragranz Nuquat	200g/ha 1600ml/ha	A A	70L/ha 100L/ha	0e	24.4a-e	2.5bcd
24	Atragranz Nuquat Nuquat	200g/ha 1600ml/ha 2400ml/ha	A A B	70L/ha 100L/ha 100L/ha	5de	17.1c-g	0.0f
25	Comet 400 Herbicide Nuquat	400ml/ha 1600ml/ha	A A	70L/ha 100L/ha	0e	30.3abc	5.6ab
26	Comet 400 Herbicide Nuquat Nuquat	400ml/ha 1600ml/ha 2400ml/ha	A A B	70L/ha 100L/ha 100L/ha	5de	20.6b-f	0.1ef
27	Experimental Bromicide 200 Hasten Untreated	75ml/ha 1400ml/ha 1% v/v -	A A A -	70L/ha 70L/ha - -	40cde	16.4c-g	1.0c-f
28	Experimental Bromicide 200 Hasten Nuquat	75ml/ha 1400ml/ha 1% v/v 2400ml/ha	A A A B	70L/ha 70L/ha - 100L/ha	90ab	11.0fgh	0.8c-f
29	Experimental Bromicide 200 Hasten Untreated	55ml/ha 1400ml/ha 1% v/v -	A A A -	70L/ha 70L/ha - -	20de	24.3a-e	1.8b-f
30	Experimental Bromicide 200 Hasten Nuquat	55ml/ha 1400ml/ha 1% v/v 2400ml/ha	A A A B	70L/ha 70L/ha - 100L/ha	80abc	4.9hi	0.0f
31	Oat Master Untreated	2500ml/ha -	A -	70L/ha -	0e	35.2ab	1.0c-f
32	Oat Master Nuquat	2500ml/ha 2400ml/ha	A B	70L/ha 100L/ha	8de	21.3a-f	0.6c-f
LSD P=					46.42	9.66t	0.47t
Treatment Prob.(F)					0.00	0.00	0.00

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.

Excluded replicate 2 in column 1

ARM Action Codes

T1 = Arcsine square root percent ([3])

T2 = LOG ([5]+ 1)

Rating Type

VISUAL = visual assessment of control %

COUNT = count

Rating Unit

/m2 = per square meter

Pest Stage Majority

25 = 5 side shoots visible; G_5 tillers visible

27 = 7 side shoots visible; G_7 tillers visible

Pest Stage at Each Application	
	A
Pest:	<i>Chloris virgata</i> Feathertop Rhodes grass
Stage Majority, Percent:	3 tiller - 80%
Stage Minimum, Percent:	2 tiller - 10%
Stage Maximum, Percent:	5 tiller - 10%

Application Description		
	A	B
Application Date:	22/12/2014	30/12/2014
Application Start Time:	7.00am	8.00am
Application Stop Time:	8:30am	8:20am
Application Method:	SPRAY	
Application Timing:	POSTEM	7-10DAA
Application Placement:	FOLIAR	
Air Temperature, Unit:	20 C	27 C
% Relative Humidity:	49	70
Wind Velocity, Unit:	16 KPH	13 KPH
Wind Direction:	NE	NNW
Dew Presence (Y/N):	N no	
Soil Moisture:	DRY	MOIST
% Cloud Cover:	10	50

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	
Spray Volume, Unit:	70 L/ha	100 L/ha

