

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: LB1424 Location: Dalby Trial Year: 2014
 Protocol ID: NGA1422 Investigator: Linda Bailey

Application Code:	A	B
Application Date:	09/01/2015	16/01/2015
Target Stage:	5 tillers	7 tillers

Pest Scientific Name:				<i>Chloris virgata</i>		
Pest Name:				Feathertop Rhodes grass		
Rating Date:				02/02/2015	13/02/2015	13/02/2015
Rating Type:				CONTROL	CONTROL	COUNT
Rating Unit:				%	%	/m2
Days After First/Last Application:				24 17	35 28	35 28
ARM Action Codes:				AS	AA	
Trt No.	Treatment	Product Rate	Appln. Code			
1	Untreated	-	-	0i	1m	1.0-
2	Untreated	-	-	30b-f	6i-m	1.6-
	Nuquat	2400ml/ha	B			
3	Verdict	150ml/ha	A	21d-h	67b-f	0.3-
	Uptake	0.5% v/v	A			
4	Verdict	150ml/ha	A	27c-g	66b-f	0.2-
	Uptake	0.5% v/v	A			
	Nuquat	2400ml/ha	B			
5	Verdict	300ml/ha	A	99a	84abc	0.2-
	Uptake	0.5% v/v	A			
6	Verdict	300ml/ha	A	100a	96ab	0.1-
	Uptake	0.5% v/v	A			
	Nuquat	2400ml/ha	B			
7	Weedmaster 470 DST	1000ml/ha	A	48bcd	37e-i	1.1-
8	Weedmaster 470 DST	1000ml/ha	A	46bcd	21g-m	0.6-
	Nuquat	2400ml/ha	B			
9	Weedmaster 470 DST	2000ml/ha	A	7g-j	19g-m	0.9-
10	Weedmaster 470 DST	2000ml/ha	A	26c-g	30f-k	0.6-
	Nuquat	2400ml/ha	B			
11	Nuquat	1600ml/ha	A	2ij	39d-h	0.5-
12	Nuquat	1600ml/ha	A	15e-i	39d-i	0.2-
	Nuquat	2400ml/ha	B			
13	Nuquat	2400ml/ha	A	5hij	1lm	1.9-
14	Nuquat	2400ml/ha	A	30b-f	16g-m	1.1-
	Nuquat	2400ml/ha	B			
15	Balance	50g/ha	A	35b-e	35b-e	0.5-
	Nuquat	1600ml/ha	A			
16	Balance	50g/ha	A	47bcd	47c-g	0.6-
	Nuquat	1600ml/ha	A			
	Nuquat	2400ml/ha	B			
17	Balance	100g/ha	A	98a	79a-d	0.1-
	Nuquat	1600ml/ha	A			

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

Trial ID: LB1424
Protocol ID: NGA1422

Location: Dalby
Investigator: Linda Bailey

Trial Year: 2014

Pest Scientific Name: Pest Name: Rating Date: Rating Type: Rating Unit: Days After First/Last Application: ARM Action Codes:				<i>Chloris virgata</i> Feathertop Rhodes grass		
				02/02/2015 CONTROL % 24 17 AS	13/02/2015 CONTROL % 35 28 AA	13/02/2015 COUNT /m ² 35 28
Trt No.	Treatment	Product Rate	Appl. Code			
18	Balance Nuquat Nuquat	100g/ha 1600ml/ha 2400ml/ha	A A B	67ab	99a	0.0-
19	Velocity Nuquat	500ml/ha 1600ml/ha	A A	12e-i	2klm	0.8-
20	Velocity Nuquat Nuquat	500ml/ha 1600ml/ha 2400ml/ha	A A B	37b-e	26f-l	1.7-
21	Diuron 900 DF Nuquat	200g/ha 1600ml/ha	A A	2ij	1lm	3.5-
22	Diuron 900 DF Nuquat Nuquat	200g/ha 1600ml/ha 2400ml/ha	A A B	33b-e	16g-m	2.0-
23	Atragranz Nuquat	200g/ha 1600ml/ha	A A	1ij	1m	0.5-
24	Atragranz Nuquat Nuquat	200g/ha 1600ml/ha 2400ml/ha	A A B	30b-f	35e-j	0.5-
25	Comet 400 Nuquat	400ml/ha 1600ml/ha	A A	1ij	7h-m	0.3-
26	Comet 400 Nuquat Nuquat	400ml/ha 1600ml/ha 2400ml/ha	A A B	30b-f	17g-m	0.5-
27	Experimental Bromicide 200 Hasten	75ml/ha 1400ml/ha 1% v/v	A A A	58abc	75a-d	0.1-
28	Experimental Bromicide 200 Hasten Nuquat	75ml/ha 1400ml/ha 1% v/v 2400ml/ha	A A A B	99a	91ab	0.1-
29	Experimental Bromicide 200 Hasten	55ml/ha 1400ml/ha 1% v/v	A A A	95a	93ab	0.4-
30	Experimental Bromicide 200 Hasten Nuquat	55ml/ha 1400ml/ha 1% v/v 2400ml/ha	A A A B	100a	95ab	0.1-
31	Comet 400	400ml/ha	A	7f-j	5j-m	3.8-
32	Comet 400 Nuquat	400ml/ha 2400ml/ha	A B	32b-e	18g-m	5.4-
LSD P=.05 Treatment Prob.(F)				2.79t 0.00	24.6t 0.00	nsd 0.07

Rating Type

COUNT = count

Rating Unit

% = percent

/m² = per square meter**ARM Action Codes**

AS = Automatic square root transformation of X+0.5

AA = Automatic arcsine square root % transformation

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.

Missing data estimates are included in columns: Average=1, 2

nsd= no significant difference

Pest Stage at Each Application		
	A	B
Pest:	<i>Chloris virgata</i> Feathertop Rhodes grass	
Stage Majority:	5 tillers	7 tiller
Stage Minimum:	2 tillers	5 tillers
Stage Maximum:	End of tillering	1 st Node
Diameter, Unit:	10 CM	15 CM

Application Description		
	A	B
Application Date:	09/01/2015	16/01/2015
Application Start Time:	10:20 AM	10:30 AM
Application Stop Time:	12:30 PM	11:00 AM
Application Method:	SPRAY	
Application Timing:	POEMW3	7-10DAA
Application Placement:	FOLIAR	
Applied By:	L Bailey	
Air Temperature, Unit:	32 C	33 C
% Relative Humidity:	43	28
Wind Velocity, Unit:	12 KPH	7 KPH
Wind Direction:	NE	W
Dew Presence (Y/N):	N no	
Soil Moisture:	DRY	
% Cloud Cover:	15	1

Application Equipment		
	A	B
Application Equipment:	Quad mounted	
Equipment Type:	Boom	
Operation Pressure, Unit:	310 kPa	
Nozzle Type:	AIXR	
Nozzle Size:	110015	
Nozzle Spacing, Unit:	0.5 M	
Boom Length, Unit:	4.0 M	
Boom Height, Unit:	50 CM	
Ground Speed, Unit:	10.3 KMH	7.2 KMH
Carrier:	WATER	
Spray Volume, Unit:	70 L/HA	100 L/HA

NB Nuquat application at both Timings was in 100L/ha