

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.**

Knockdown Control of Summer Grasses in Fallow 2015-16

Trial ID: DK1515 Location: Tulloona Trial Year: 2016
Investigator: Denielle Kilby

Application Code:	A	B
Application Date:	18/01/2016	29/01/2016
Weed Stage Average :	5 Tillers	11 Days after Application A
Weed Stage Range:	3 Tiller – Early Flower	
Weed Density:	7.5/m ²	

Trial designed and analysed as a Strip Plot

In Simple Terms	
Table of A Means:	Mean of 'first knock' performance with ALL 'second knock' treatments
Table of B Means:	Mean of 'second knock' performance with ALL 'first knock' treatments
Table of A x B Means:	'first knock' performance with EACH 'second knock' treatment

How to interpret?

Is there a significant difference for A x B Means ?

If YES
Table A x B Means analysis is the key information

If NO (ie nsd)
Table A or Table B Means analysis is the key information

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Trial ID: DK1515 Location: Tullooona Trial Year: 2016

Pest Scientific Name				<i>Dactyloctenium radulans</i>		
Pest Name				Button Grass		
Situation				Fallow		
Assessment Date				8/02/2016	16/02/2016	16/02/2016
Assessment Type				BURNDOWN	REGROWING	COUNT
Assessment Unit				%	%	/m ²
Treatment-Evaluation Interval				21 DAA	29 DAA	29 DAA
ARM Action Codes				AS		AA
Trt No.	Treatment	Product Rate	Appln. Code			

TABLE OF A x B MEANS

(First Knock Herbicide without Second Knock)

1	Glyphosate CT	1000ml/ha	A	3i	86-	18.1a
2	Glyphosate CT	2000ml/ha	A	49def	58-	7.6bc
3	Glyphosate CT	4000ml/ha	A	98a	29-	3.2c-g
4	Gp A S	375ml/ha	A	59b-e	73-	9.8b
	Uptake	0.5% v/v				
	Liase	2% v/v				
5	Gp A S	500ml/ha	A	83abc	76-	5.6b-f
	Uptake	0.5% v/v				
	Liase	2% v/v				
6	Gp A V	100ml/ha	A	94a	63-	6.0b-e
	Uptake	0.5% v/v				
7	Gp A V	150ml/ha	A	92ab	59-	6.9bcd
	Uptake	0.5% v/v				
8	Gp A V	300ml/ha	A	96a	42-	3.5c-g
	Uptake	0.5% v/v				
9	Gp A E	250ml/ha	A	97a	17-	1.7ghi
	Uptake	0.5% v/v				
10	Gp A E	500ml/ha	A	95a	33-	2.5e-h
	Uptake	0.5% v/v				
11	Nuquat	1600ml/ha	A	13hi	88-	9.7b
12	Nuquat	2400ml/ha	A	13hi	100-	5.3b-g
13	Paratrooper	1600ml/ha	A	19gh	90-	9.9b
14	Gp H B	100g/ha	A	5i	99-	21.1a
15	Nuquat	1600ml/ha	A	12hi	94-	9.3b
	Gp H B	50g/ha				
16	Nuquat	1600ml/ha	A	26fgh	88-	5.2b-g
	Gp H B	100g/ha				

(First Knock Herbicide followed by Second Knock)

1a	Glyphosate CT	1000ml/ha	A	56cde	38-	3.9c-g
	Nuquat	1600ml/ha	B			
2a	Glyphosate CT	2000ml/ha	A	68a-d	0-	0.3ij
	Nuquat	1600ml/ha	B			
3a	Glyphosate CT	4000ml/ha	A	68a-d	0-	0.3ij
	Nuquat	1600ml/ha	B			
4a	Gp S	375ml/ha	A	67a-d	13-	2.2e-i
	Uptake	0.5% v/v	A			
	Liase	2% v/v	A			
	Nuquat	1600ml/ha	B			
5a	Gp S	500ml/ha	A	69a-d	4-	2.0f-i
	Uptake	0.5% v/v	A			
	Liase	2% v/v	A			
	Nuquat	1600ml/ha	B			
6a	Gp A V	100ml/ha	A	69a-d	0-	0.3ij
	Uptake	0.5% v/v	A			
	Nuquat	1600ml/ha	B			

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Trial Year: 2016

COMPLETE STRIP-BLOCK AOV <i>Dactyloctenium radulans</i> – Button Grass Fallow 8/02/2016 BURNDOWN % 21 DAA AS						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	95	814.496329				
R	2	95.858153	47.929077	34.678	0.0001	
A	15	323.539365	21.569291	11.895	0.0001	1.6
RA	30	54.397023	1.813234			
B	1	20.598715	20.598715	0.295	0.6416	7.3
RB	2	139.806495	69.903247			
AB	15	138.833011	9.255534	6.697	0.0001	2.0
RAB	30	41.463568	1.382119			

COMPLETE STRIP-BLOCK AOV <i>Dactyloctenium radulans</i> – Button Grass Fallow 16/02/2016 REGROWING % 29 DAA						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	95	134937.744141				
R	2	3278.613281	1639.306641	4.551	0.0188	
A	15	50886.962891	3392.464193	11.521	0.0001	20.2
RA	30	8833.886719	294.462891			
B	1	52910.302734	52910.302734	53.731	0.0181	27.6
RB	2	1969.433594	984.716797			
AB	15	6252.978516	416.865234	1.157	0.3536	31.6
RAB	30	10805.566406	360.185547			

COMPLETE STRIP-BLOCK AOV For <i>Dactyloctenium radulans</i> – Button Grass Fallow 16/02/2016 COUNT /m ² 29 DAA AA						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	95	4512.684345				
R	2	83.946746	41.973373	3.433	0.0454	
A	15	1718.576410	114.571761	10.074	0.0001	4.0
RA	30	341.204351	11.373478			
B	1	1503.023491	1503.023491	25.277	0.0374	6.8
RB	2	118.924848	59.462424			
AB	15	380.252787	25.350186	2.074	0.0435	5.8
RAB	30	366.755712	12.225190			

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Application Description		
	A	B
Application Date:	18/01/2016	29/01/2016
Application Start Time:	8:35 AM	8:05 AM
Application Stop Time:	12:00 PM	8:20 AM
Application Method:	SPRAY	
Application Timing:	Early Post-Em	11 DAA
Air Temperature, Unit:	26.5 C	24.5 C
% Relative Humidity:	44.8	85
Wind Velocity, Unit:	5.4 km/h	7.9 km/h
Wind Direction:	NE	
Dew Presence (Y/N):	No	
% Cloud Cover:	10	5
Next Moisture Occurred On:	23/01/2016	29/01/2016
Time to Next Moisture, Unit:	6 DAY	0 DAY

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