

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

Trial ID: LB1533 Location: Bowenville Trial Year: 2015
Investigator: Linda Bailey

Application Code:	A	B
Application Date:	7/12/2015	14/12/2105
Weed Stage Average:	3 Tillers	
Weed Stage Range:	3 Leaf – Early Bud	
Weed Density:	15/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

Knockdown Control of Summer Grasses in Fallow

Trial ID: LB1533

Location: Bowenville

Trial Year: 2015

Pest Scientific Name				<i>Urochloa panicoides</i>	
Pest Name				Liverseed Grass	
Situation				Fallow	
Assessment Date				22/12/2015	4/01/2016
Assessment Type				BURNDOWN	COUNT
Assessment Unit				%	m ²
Treatment-Evaluation Interval				15 DAA	28 DAA
ARM Action Codes				AA	AA
Trt No.	Treatment	Product Rate	Appl. Code		
TABLE OF A x B MEANS					
(First Knock Herbicide without Second Knock)					
1	Glyphosate CT	1000ml/ha	A	40ghi	8.9a-f
2	Glyphosate CT	2000ml/ha	A	84b-f	5.6a-h
3	Glyphosate CT	4000ml/ha	A	100a	0.1j
4	Gp A S Uptake Liase	375ml/ha 0.5% v/v 2% v/v	A	26hij	11.7a
5	Gp A S Uptake Liase	500ml/ha 0.5% v/v 2% v/v	A	28hij	8.9a-f
6	Gp A V Uptake	100ml/ha 0.5% v/v	A	24hij	5.4a-h
7	Gp A V Uptake	150ml/ha 0.5% v/v	A	25hij	9.0a-e
8	Gp A V Uptake	300ml/ha 0.5% v/v	A	46ghi	9.4a-d
9	Gp A E Uptake	250ml/ha 0.5% v/v	A	8j	8.5a-f
10	Gp A E Uptake	500ml/ha 0.5% v/v	A	15ij	11.2ab
11	Nuquat	1600ml/ha	A	17ij	11.6a
12	Nuquat	2400ml/ha	A	41ghi	7.3a-f
13	Paratrooper	1600ml/ha	A	19hij	9.9a-d
14	Gp H B	100g/ha	A	8j	11.0abc
15	Nuquat Gp H B	1600ml/ha 50g/ha	A	16ij	8.0a-f
16	Nuquat Gp H B	1600ml/ha 100g/ha	A	51fgh	7.4a-f
(First Knock Herbicide followed by Second Knock)					
1a	Glyphosate CT Nuquat	1000ml/ha 1600ml/ha	A B	81c-f	13.5a
2a	Glyphosate CT Nuquat	2000ml/ha 1600ml/ha	A B	94a-d	5.5a-h
3a	Glyphosate CT Nuquat	4000ml/ha 1600ml/ha	A B	92a-e	6.6a-g
4a	Gp A S Uptake Liase Nuquat	375ml/ha 0.5% v/v 2% v/v 1600ml/ha	A A A B	98abc	3.2d-j
5a	Gp A S Uptake Liase Nuquat	500ml/ha 0.5% v/v 2% v/v 1600ml/ha	A A A B	98abc	2.4f-j
6a	Gp A V Uptake Nuquat	100ml/ha 0.5% v/v 1600ml/ha	A A B	100a	3.6c-i

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Situation				Fallow	
Assessment Date				22/12/2015	4/01/2016
Assessment Type				BURNDOWN	COUNT
Assessment Unit				%	m ²
Treatment-Evaluation Interval				15 DAA	28 DAA
ARM Action Codes				AA	AA
Trt No.	Treatment	Product Rate	Appln. Code		
7a	Gp A V	150ml/ha	A	100a	3.6c-i
	Uptake	0.5% v/v	A		
	Nuquat	1600ml/ha	B		
8a	Gp A V	300ml/ha	A	100a	2.6e-j
	Uptake	0.5% v/v	A		
	Nuquat	1600ml/ha	B		
9a	Gp A E	250ml/ha	A	65efg	10.9abc
	Uptake	0.5% v/v	A		
	Nuquat	1600ml/ha	B		
10a	Gp A E	500ml/ha	A	70d-g	13.7a
	Uptake	0.5% v/v	A		
	Nuquat	1600ml/ha	B		
11a	Nuquat	1600ml/ha	A	99ab	3.7c-i
	Nuquat	1600ml/ha	B		
12a	Nuquat	2400ml/ha	A	100a	1.2hij
	Nuquat	1600ml/ha	B		
13a	Paratrooper	1600ml/ha	A	99ab	3.9b-i
	Nuquat	1600ml/ha	B		
14a	Gp H B	100g/ha	A	84b-e	8.3a-f
	Nuquat	1600ml/ha	B		
15a	Nuquat	1600ml/ha	A	100a	0.6ij
	Gp H B	50g/ha	A		
	Nuquat	1600ml/ha	B		
16a	Nuquat	1600ml/ha	A	100a	1.5g-j
	Gp H B	100g/ha	A		
	Nuquat	1600ml/ha	B		
TABLE OF B MEANS (Second Knock)					
1	Untreated	-	-	34b	7.9-
2	Nuquat	1600ml/ha	B	96a	4.6-

Means followed by same letter do not significantly differ (P=.05, LSD)

Assessment Type

BURNDOWN = Burndown/brownout

ARM Action Codes

AA = Automatic arcsine square root % transformation

DAA = Days after Application

Knockdown Control of Summer Grasses in Fallow

Trial ID: LB1533

Location: Bowenville

Trial Year: 2015

COMPLETE STRIP-BLOCK AOV						
<i>Urochloa panicoides</i> - Liverseed Grass						
Fallow 22/12/2015						
BURNDOWN % 15 DAA AA						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	93	77478.581109				
R	2	1446.462326	723.231163	4.761	0.0166	
A	15	12651.697409	843.446494	5.448	0.0001	15
RA	30	4644.230040	154.807668			
B	1	43624.498094	43624.498094	200.094	0.0050	13
RB	2	436.040360	218.020180			
AB	15	10422.227182	694.815145	4.574	0.0003	21
RAB	28	4253.425699	151.908061			

COMPLETE STRIP-BLOCK AOV						
<i>Urochloa panicoides</i> - Liverseed Grass						
Fallow 4/01/2016						
COUNT m ² 28 DAA AA						
Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	93	5538.478406				
R	2	1130.971775	565.485888	22.101	0.0001	
A	15	1039.482891	69.298859	1.791	0.0850	7.3
RA	30	1160.710821	38.690361			
B	1	364.231775	364.231775	6.550	0.1247	6.5
RB	2	111.210028	55.605014			
AB	15	1015.439302	67.695953	2.646	0.0127	8.5
RAB	28	716.431814	25.586850			

Application Description		
	A	B
Application Date:	7/12/2015	14/12/2015
Application Start Time:	8:15 AM	11:10 AM
Application Stop Time:	10:15 AM	11:15 AM
Application Method:	SPRAY	
Application Timing:	Early Post-Em	
Air Temperature, Unit:	22	27
% Relative Humidity:	52	49
Wind Velocity, Unit:	15 km/h	6 km/h
Wind Direction:	NE	
Dew Presence (Y/N):	No	
Soil Moisture:	DRY	WET
% Cloud Cover:	1	
Next Moisture Occurred On:	12/12/2015	17/12/2015

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:	50 cm	
Nozzles/Row:	8	
Boom Length, Unit:	4 m	
Boom Height, Unit:	50 cm	
Ground Speed, Unit:	7.2 km/h	
Spray Volume, Unit:	100 L/ha	