

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 Awnless Barnyard Grass in Fallow

Trial ID: LB1534 Location: Pittsworth Trial Year: 2016
Investigator: Linda Bailey

Application Code:	A	B
Application Date:	24/03/2016	31/03/2016
Weed Stage Average:	4 Tillers	
Weed Stage Range:	3 Leaf – Early Flower	
Weed Density:	7/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 Awnless Barnyard Grass in Fallow

Trial ID: LB1534

Location: Pittsworth

Trial Year: 2016

Pest Scientific Name				<i>Echinochloa colona</i>	
Pest Name				Awnless Barnyard Grass	
Crop Name				Fallow	
Assessment Date				8/04/2016	21/04/2016
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		
TABLE OF A x B MEANS					
(First Knock Herbicide without Second Knock)					
1	Glyphosate CT	1000ml/ha	A	78efg	1.5-
2	Glyphosate CT	2000ml/ha	A	99ab	0.2-
3	Glyphosate CT Untreated	4000ml/ha -	A -	100a	0.1-
4	Gp A S Uptake Liase	375ml/ha 0.5% v/v 2% v/v	A	83c-g	0.6-
5	Gp A S Uptake Liase	500ml/ha 0.5% v/v 2% v/v	A	82d-g	0.8-
6	Gp A V Uptake	300ml/ha 0.5% v/v	A	91a-f	0.3-
7	Gp A V Uptake	150ml/ha 0.5% v/v	A	47h	0.5-
8	Gp A V Uptake	100ml/ha 0.5% v/v	A	37hi	1.7-
9	Gp A E Uptake	250ml/ha 0.5% v/v	A	40th	1.6-
10	Gp A E Uptake	500ml/ha 0.5% v/v	A	67fgh	0.8-
11	Nuquat	1600ml/ha	A	87b-g	1.4-
12	Nuquat	2400ml/ha	A	92a-f	0.2-
13	Paratrooper	1600ml/ha	A	60gh	2.3-
14	Gp H B	100g/ha	A	11i	2.2-
15	Nuquat Gp H B	1600ml/ha 50g/ha	A	92a-e	0.5-
16	Nuquat Gp H B	1600ml/ha 100g/ha	A	90b-f	0.3-

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Crop Name				Fallow	
Assessment Date				8/04/2016	21/04/2016
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		
(First Knock Herbicide followed by Second Knock)					
1a	Glyphosate CT	1000ml/ha	A	100a	0.0-
	Nuquat	1600ml/ha	B		
2a	Glyphosate CT	2000ml/ha	A	100a	0.0-
	Nuquat	1600ml/ha	B		
3a	Glyphosate CT	4000ml/ha	A	100a	0.0-
	Nuquat	1600ml/ha	B		
4a	Gp A S	375ml/ha	A	100a	0.0-
	Uptake	0.5% v/v	A		
	Liase	2% v/v	A		
	Nuquat	1600ml/ha	B		
5a	Gp A S	500ml/ha	A	100a	0.0-
	Uptake	0.5% v/v	A		
	Liase	2% v/v	A		
	Nuquat	1600ml/ha	B		
6a	Gp A V	300ml/ha	A	99ab	0.0-
	Uptake	0.5% v/v	A		
	Nuquat	1600ml/ha	B		
7a	Gp A V	150ml/ha	A	100a	0.0-
	Uptake	0.5% v/v	A		
	Nuquat	1600ml/ha	B		
8a	Gp A V	100ml/ha	A	99abc	0.1-
	Uptake	0.5% v/v	A		
	Nuquat	1600ml/ha	B		
9a	Gp A E	250ml/ha	A	98a-d	0.1-
	Uptake	0.5% v/v	A		
	Nuquat	1600ml/ha	B		
10a	Gp A E	500ml/ha	A	99ab	0.0-
	Uptake	0.5% v/v	A		
	Nuquat	1600ml/ha	B		
11a	Nuquat	1600ml/ha	A	98a-d	0.0-
	Nuquat	1600ml/ha	B		
12a	Nuquat	2400ml/ha	A	100a	0.0-
	Nuquat	1600ml/ha	B		
13a	Paratrooper	1600ml/ha	A	100a	0.1-
	Nuquat	1600ml/ha	B		
14a	Gp H B	100g/ha	A	99ab	0.0-
	Nuquat	1600ml/ha	B		
15a	Nuquat	1600ml/ha	A	100a	0.0-
	Gp H B	50g/ha	A		
	Nuquat	1600ml/ha	B		
16a	Nuquat	1600ml/ha	A	100a	0.0-
	Gp H B	100g/ha	A		
	Nuquat	1600ml/ha	B		
TABLE OF B MEANS (Second Knock)					
1	Untreated	-	-	76b	0.8a
2	Nuquat	1600ml/ha	B	100a	0.0b

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

Knockdown Control of Awnless Barnyard Grass in Fallow

Trial ID: LB1534

Location: Pittsworth

Trial Year: 2016

Assessment Type

BURNDOWN = Burndown/brownout

ARM Action Codes

AA = Automatic arcsine square root % transformation

DAA = Days after Application

COMPLETE STRIP-BLOCK AOV*Echinochloa colona* - Awnless Barnyard Grass

Fallow 8/04/2016

BURNDOWN % 15 DAA AA

Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	95	43125.022375				
R	2	276.937302	138.468651	1.134	0.3352	
A	15	9448.813161	629.920877	3.622	0.0013	15.5
RA	30	5217.189093	173.906303			
B	1	17405.231141	17405.231141	245.382	0.0041	7.4
RB	2	141.862582	70.931291			
AB	15	6970.934374	464.728958	3.805	0.0009	18.4
RAB	30	3664.054723	122.135157			

COMPLETE STRIP-BLOCK AOV*Echinochloa colona* - Awnless Barnyard Grass

Fallow 21/04/2016

COUNT /m² 28 DAA AA

Source	DF	Sum of Squares	Mean Square	F	Prob.(F)	LSD (.05)
Total	95	1171.247457				
R	2	55.509598	27.754799	5.058	0.0128	
A	15	173.166047	11.544403	1.944	0.0592	2.87
RA	30	178.185495	5.939516			
B	1	506.681941	506.681941	70.687	0.0139	2.35
RB	2	14.335901	7.167951			
AB	15	78.743165	5.249544	0.957	0.5190	3.91
RAB	30	164.625311	5.487510			

Application Description

	A	B
Application Date:	24/03/2016	31/03/2016
Application Start Time:	10:55 AM	3:10 PM
Application Stop Time:	12:55 PM	3:20 PM
Application Method:	SPRAY	
Application Timing:	Early Post-Em	7-10 DAA
Air Temperature, Unit:	29	C
% Relative Humidity:	51	35
Wind Velocity, Unit:	8 km/h	12 km/h
Wind Direction:	W	S
Dew Presence (Y/N):	No	
Soil Moisture:	SLIWET	DRY
% Cloud Cover:	80	15
Next Moisture Occurred On:	28/03/2016	10/04/2016

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Location: Pittsworth

Trial Year: 2016

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	