

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.

Residual Control of Common Sowthistle in Fallow

Trial ID: AM1611 Location: Mt Nombi Trial Year: 2016
Investigator: Anthony Mitchell

Objective:	To evaluate herbicides for the residual control of Common Sowthistle in fallow	
Situation:	Fallow	
Application:	A	B*
Application Date:	28/09/2016	14/10/2016
Weed Stage Majority:	Pre-Emergent	Pre-Emergent
Trial Reliability:	Good	
Keywords:	Common Sowthistle, Awnless barnyard grass	

* NB: Experimental 1 was not available when trial was established. These treatments were sprayed ~2 weeks after all other treatments.

Pest Scientific Name Pest Name				<i>Sonchus oleraceus</i> Common Sowthistle		<i>Echinochloa colona</i> Awnless Barnyard Grass	
				8/11/2016 COUNT /m ² 13 41 DAA AA	23/03/2017 COUNT /m ² 12 176 DAA AA	14/01/2017 COUNT /m ² 13 108 DAA T4 AL	23/03/2017 COUNT /m ² 13 176 DAA AA
Assessment Date							
Assessment Type							
Assessment Unit							
Pest Stage Majority							
Treatment-Evaluation Interval							
ARM Action Codes							
Trt No.	Treatment	Product Rate	Appln. Code				
1	Untreated	-	-	0.63a	2.69a-d	1.89a	2.09a
2	Balance	50g/ha	A	0.04de	4.24a	2.09a	1.67ab
3	Balance	100g/ha	A	0.00de	3.45abc	0.84bc	0.49bc
4	Fallowboss Tordon	1000ml/ha	A	0.00e	1.21def	1.75a	1.82a
5	Tordon 75-D	1000ml/ha	A	0.00e	1.08f	2.20a	2.63a
6	Atragranz	1000g/ha	A	0.03de	2.88abc	1.83a	1.45ab
7	Atragranz	2000g/ha	A	0.00e	4.31a	1.37ab	0.53b
8	Terbyne Xtreme	860g/ha	A	0.02de	2.53a-e	1.64a	1.96a
9	Terbyne Xtreme	1200g/ha	A	0.02de	2.06b-f	1.93a	2.35a
10	Gp C B	3000g/ha	A	0.00e	3.21abc	1.95a	2.11a
11	Experimental 1*	167g/ha	B	0.34ab	0.16g	2.04a	2.58a
12	Experimental 1*	333g/ha	B	0.31b	0.03g	1.75a	2.40a
13	Gp D S	3300ml/ha	A	0.06cd	1.86c-f	0.34c	0.01c
14	Experimental 2	280g/ha	A	0.22bc	1.10ef	1.32ab	1.32ab
15	Gp HC V	1000ml/ha	A	0.01de	3.69ab	1.95a	1.81a
			LSD P=	1.293t	3.184t	0.144t	3.513t
			Treatment Prob.(F)=	0.0001	0.0001	0.0002	0.0003

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.

Pest Stage Majority

13 = 3 true leaves, leaf pairs or whorls unfolded

12 = 2 true leaves, leaf pairs or whorls unfolded

ARM Action Codes

AA = Automatic arcsine square root % transformation

AL = Automatic log transformation of X+1

T4 = [7]/24

DAA = Days after Application A

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Trial ID: AM1611

Location: Mt Nombi

Trial Year: 2016

Application Description		
	A	B
Application Date:	28/09/2016	14/10/2016
Application Start Time:	12:30 PM	5:30 PM
Application Stop Time:	2:30 PM	5:35 PM
Application Method:	SPRAY	
Application Timing:	PRE-EMERGENT	
Application Placement:	SOIL	
Air Temperature, Unit:	22 C	20 C
% Relative Humidity:	36.6	
Wind Velocity, Unit:	5 km/h	
Wind Direction:	NW	
Soil Moisture:	SLIWET	
% Cloud Cover:	0	
Next Moisture Occurred On:	29/09/2016	17/10/2016

Application Equipment		
	A	B
Operation Pressure, Unit:	300 kPa	
Nozzle Type:	AIXR	
Nozzle Size:	110015	
Nozzle Spacing, Unit:	50 cm	
Nozzles/Row:	8	
Boom Length, Unit:	4 m	
Boom Height, Unit:	70 cm	
Ground Speed, Unit:	10.3 km/h	
Carrier:	WATER	
Spray Volume, Unit:	70 L/ha	