

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 Rosette Staged Common Sowthistle in Fallow

Trial ID: LB1617

Location: Inglestone

Trial Year: 2017

Investigator: Linda Bailey

Objective:	To evaluate herbicides for the knockdown control of rosette staged Common Sowthistle	
Weed:	Common Sowthistle	
Application Code:	A	B
Application Date:	11/04/2017	18/04/2017
Weed Stage Majority:	4 Leaf	7 Days after First Application
Weed Stage Range:	First Leaf – Stem Elongation	
Weed Density:	19.5/m ²	
Trial Reliability:	Good	
Keywords:	Common Sowthistle, Milkthistle, <i>Sonchus oleraceus</i> , knockdown, fallow	

Pest Scientific Name				<i>Sonchus oleraceus</i>		
Pest Name				Common Sowthistle		
Description						Transect
Assessment Date				18/04/2017	4/05/2017	10/05/2017
Assessment Type				BURNDOWN	BURNDOWN	COUNT
Assessment Unit				%	%	/m ²
Treatment-Evaluation Interval				7 DAA	23 DAA	29 DAA
ARM Action Codes					AA A1	AA A2
Trt No.	Treatment	Product Rate	Appl. Code			
1	Glyphosate CT	1000ml/ha	A	12c	72fgh	1.0abc
2	Glyphosate CT Nuquat	1000ml/ha 1600ml/ha	A B		86c-f	0.2c-f
3	Glyphosate CT	2000ml/ha	A	12c	78d-g	0.6b-e
4	Glyphosate CT Nuquat	2000ml/ha 1600ml/ha	A B		92bcd	0.1def
5	Amicide 625	1800ml/ha	A	10c	64ghi	0.3c-f
6	Amicide 625 Nuquat	1800ml/ha 1600ml/ha	A B		97abc	0.0f
7	Amicide 625 Hasten	1800ml/ha 1% v/v	A	15bc	63ghi	0.5b-e
8	Amicide 625 Hasten Nuquat	1800ml/ha 1% v/v 1600ml/ha	A A B		99ab	0.0ef
9	Tordon 75-D	1000ml/ha	A	10c	69fgh	0.4b-f
10	Tordon 75-D Nuquat	1000ml/ha 1600ml/ha	A B		98abc	0.2c-f
11	Grazon Extra	600ml/ha	A	37b	47hi	1.0abc
12	Grazon Extra Nuquat	600ml/ha 1600ml/ha	A B		93bcd	0.2c-f
13	Starane Advanced	600ml/ha	A	10c	73efg	0.3c-f
14	Starane Advanced Nuquat	600ml/ha 1600ml/ha	A B		98abc	0.0ef
15	Gp HC V	600ml/ha	A	18bc	64ghi	1.0abc
16	Gp HC V Nuquat	600ml/ha 1600ml/ha	A B		100a	0.0f
17	Fallowboss Tordon	1000ml/ha	A	17bc	77d-g	0.3c-f
18	Fallowboss Tordon Nuquat	1000ml/ha 1600ml/ha	A B		93bcd	0.1c-f

Knockdown Control of Rosette Staged Common Sowthistle in Fallow

Trial ID: LB1617 Location: Inglestone Trial Year: 2017

Pest Scientific Name Pest Name Description Assessment Date Assessment Type Assessment Unit Treatment-Evaluation Interval ARM Action Codes				<i>Sonchus oleraceus</i> Sowthistle		
				18/04/2017 BURNDOWN % 7 DAA	4/05/2017 BURNDOWN % 23 DAA AA A1	Transect 10/05/2017 COUNT /m ² 29 DAA AA A2
Trt No.	Treatment	Product Rate	Appl. Code			
19	Sharpen Hasten	34g/ha 1% v/v	A	97a	91b-e	0.0ef
20	Sharpen Hasten Nuquat	34g/ha 1% v/v 1600ml/ha	A A B		100a	0.0f
21	Experimental 1 Uptake	400ml/ha 0.5% v/v	A	10c	61ghi	0.7a-d
22	Experimental 1 Uptake Nuquat	400ml/ha 0.5% v/v 1600ml/ha	A A B		94a-d	0.2c-f
23	Basta	3750ml/ha	A	87a	98abc	0.0ef
24	Basta Nuquat	3750ml/ha 1600ml/ha	A B		100a	0.0f
25	Cadence Uptake	200g/ha 0.5% v/v	A	10c	40i	1.5ab
26	Cadence Uptake Nuquat	200g/ha 0.5% v/v 1600ml/ha	A A B		93bcd	0.5b-e
27	Lontrel Advanced	150ml/ha	A	0c	16j	2.1a
28	Lontrel Advanced Nuquat	150ml/ha 1600ml/ha	A B		86c-f	0.7a-e
LSD =				22.5	14.8t	3.82t
Treatment Prob.(F)=				0.0001	0.0001	0.0011

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.

Assessment Type

BURNDOWN = burndown/brownout

DAA = Days after Application

Knockdown Control of Rosette Staged Common Sowthistle in Fallow

Trial ID: LB1617

Location: Inglestone

Trial Year: 2017

Application Description		
	A	B
Application Date:	11/04/2017	18/04/2017
Application Start Time:	11:30 AM	10:50 AM
Application Stop Time:	12:30 PM	10:55 AM
Application Method:	SPRAY	
Application Timing:	EARLY POST-EM	
Air Temperature, Unit:	20 C	24 C
% Relative Humidity:	44	53
Wind Velocity, Unit:	15 km/h	7 km/h
Wind Direction:	S	W
Dew Presence (Y/N):	No	
Soil Moisture:	SLIDRY	DRY
% Cloud Cover:	0	20
Next Moisture Occurred On:	27/04/2017	27/04/2017

Pest Stage at Each Application		
	A	B
Pest:	Common Sowthistle	
Stage Majority, Percent:	14	85%
Stage Minimum, Percent:	11	5%
Stage Maximum, Percent:	30	10%
Density, Unit:	19.5	m ²

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:	50 cm	
Ground Speed, Unit:	10.3 km/h	7.2 km/h
Carrier:	Water	
Spray Volume, Unit:	70 L/ha	100 L/ha