

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.

Alternative Second Knock Options for Broadleaf Weeds in Fallow

Trial ID: **BD1722** Location: **Bective** Trial Year: **2018**
 Investigator: **Branko Duric**

Objective:	To evaluate alternative second knock options for broadleaf weed control	
Situation:	Fallow	
Application Code:	A	B
Application Date:	19/12/2017	27/12/2017
Application Timing:	Post-Emergent Knockdown	Second Knock applied 8 days later
Weed Stage:	First Flowers Open	
Weed Stage Range:	Buds Visible – Full Flowering	
Weed Population:	2.5/m ²	
Keywords:	Common Sowthistle, knockdown, fallow	
NB:	Application A was Glyphosate 450 at 2L/ha + Amicide 625 300mL/ha + Liase 1% in 100L/ha water. This was applied to ALL plots	

NB: The table below shows the performance of the second knock treatments applied on 27/12/2017.

High levels of efficacy were obtained from Application A alone. Complete control was achieved with all second knock treatments evaluated in this situation.

Pest Scientific Name Pest Name Assessment Date Assessment Type Assessment Unit Pest Stage Majority Treatment-Evaluation Interval ARM Action Codes				<i>Sonchus oleraceus</i> Common Sowthistle	
				2/01/2018 BURNDOWN %	17/01/2018 COUNT /m ²
				60	60
				6 DAB	21 DAB
				T1	
Trt No.	Treatment	Product Rate	Appln. Code		
1	No second knock	-	-	40d	0.06a
2	Gramoxone	800ml/ha	B	98ab	0.00b
3	Gramoxone	1600ml/ha	B	100a	0.00b
4	Gramoxone Hasten	1600ml/ha 1% v/v	B	100a	0.00b
5	Gramoxone	2000ml/ha	B	100a	0.00b
6	Gramoxone	2400ml/ha	B	100a	0.00b
7	Sharpen Hasten	9g/ha 1% v/v	B	90bc	0.00b
8	Sharpen Hasten	17g/ha 1% v/v	B	92abc	0.00b
9	Sharpen Hasten	26g/ha 1% v/v	B	95abc	0.00b
10	Sharpen Hasten	34g/ha 1% v/v	B	92abc	0.00b
11	Gramoxone Sharpen Hasten	800ml/ha 9g/ha 1% v/v	B	92abc	0.00b
12	Gramoxone Sharpen Hasten	1600ml/ha 9g/ha 1% v/v	B	100a	0.00b
13	Gramoxone Sharpen Hasten	800ml/ha 17g/ha 1% v/v	B	95abc	0.00b
14	Experimental Adigor	1600ml/ha 1% v/v	B	87c	0.00b
LSD P=				9.3	0.025
Treatment Prob.(F)=				0.0001	0.0017

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

Mean comparisons performed only when AOV Treatment P (F) is significant at mean comparison OSL.

Alternative Second Knock Options for Broadleaf Weeds in Fallow

Trial ID: BD1722 **Location:** Bective **Trial Year:** 2018

Assessment Type

BURNDOWN = % Burndown/brown out

Pest Stage Majority

60 = First flowers open (sporadically)

ARM Action Codes

T1 = [2]/48

DAB = Days after Application B

Application Description		
	A	B
Application Date:	19/12/2017	27/12/2017
Application Start Time:	08:00 AM	07:30 AM
Appl. Stop Time:	9:00 AM	10:00 AM
Application Method:	SPRAY	
Application Placement:	FOLIAR	
Air Temperature, Unit:	22 C	23 C
% Relative Humidity:	75	55
Wind Velocity, Unit:	1.7 m/s	2.8 m/s
Wind Direction:	WSW	SW
Dew Presence (Y/N):	No	
% Cloud Cover:	90	0

Application Equipment		
	A	B
Application Equipment:	Polaris	
Equipment Type:	BOOM	
Operation Pressure, Unit:	300 kPa	
Nozzle Type:	AIXR	
Nozzle Size:	110015	
Nozzle Spacing, Unit:	50 cm	
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	