

**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.**

## Broadleaf Weed Control in Sorghum

Trial ID: **BD1725**                      Location: **Blackville**                      Trial Year: **2018**  
Investigator: **Branko Duric**

<b>Objective:</b>	To evaluate in-crop options for <i>Tribulus</i> control			
<b>Crop:</b>	Sorghum (NS 114)			
<b>Planting Date:</b>	20/11/2017			
<b>Row Spacing:</b>	75cm			
<b>Application Code:</b>	A	B	C	D
<b>Nozzle:</b>	AIXR110015	DG110015	AIXR110015	AIXR110015
<b>Spray volume:</b>	70 L/ha	Not Applied	50 L/ha	100 L/ha
<b>Application Date:</b>	23/12/2017			
<b>Weeds:</b>	Yellow vine ( <i>Tribulus micrococcus</i> )		Bladder Ketmia ( <i>Hibiscus trionum</i> )	
<b>Weed Stage Majority:</b>	Beginning of Flowering		Flower Buds visible	
<b>Weed Stage Range:</b>	~5 Branches to early Flowering		5 Leaf to Flowers visible but unopened	
<b>Weed Population:</b>	6.5/m <sup>2</sup>		Not Recorded	
<b>Keywords:</b>	<i>Tribulus</i> , Yellow vine, Bladder Ketmia, knockdown, sorghum			

Pest Scientific Name Pest Name Description Assessment Date Assessment Type Assessment Unit Treatment-Evaluation Interval ARM Action Codes					<i>Tribulus micrococcus</i> Yellow vine		<i>Hibiscus trionum</i> Bladder Ketmia	
					3/01/2018 BURNDOWN % 11 DAA AA	Regrowing Weeds 19/12/2018 COUNT /m <sup>2</sup> 27 DAA T1	3/01/2018 BURNDOWN % 11 DAA	Regrowing Weeds 19/01/2018 COUNT /m <sup>2</sup> 27 DAA AL T2
Trt No.	Treatment	Product Rate	Appln. Code	Spray Volume				
3	Untreated	-	-		0d	3.27a	0e	7.3a
1	Gesaprim 900WG Starane Advanced NIS	1100g/ha 450ml/ha 0.5% v/v	A	70L/ha	98abc	0b	80bc	0.1c
2	Gesaprim 900WG Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	A	70L/ha	99ab	0b	83bc	0c
4	Gesaprim 900WG Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	C	50L/ha	92abc	0.13b	70c	0c
5	Gesaprim 900WG Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	D	100L/ha	99ab	0b	83bc	0c
6	Gesaprim 900WG Starane Advanced Hasten	1100g/ha 600ml/ha 0.5% v/v	A	70L/ha	98abc	0b	83bc	0c
7	Gesaprim 900WG Cutlass 500 SL Hasten	1100g/ha 500ml/ha 0.5% v/v	A	70L/ha	88bc	0.17b	43d	2.0b
8	Gesaprim 900WG Tordon 75D Hasten	1100g/ha 500ml/ha 0.5% v/v	A	70L/ha	100a	0.b	85b	0c
9	Gesaprim 900WG Bromicide 200 EC Hasten	1100g/ha 2000ml/ha 0.5% v/v	A	70L/ha	100a	0b	100a	0c
10	Terbyne Xtreme Hasten	1200g/ha 0.5% v/v	A	70L/ha	80c	0.03b	53d	0.5c
11	Terbyne Xtreme Starane Advanced Hasten	950g/ha 450ml/ha 0.5% v/v	A	70L/ha	100a	0b	73bc	0c
LSD P= Treatment Prob.(F)=					18.97t 0.0001	0.225 0.0001	14.71 0.0001	0.180t 0.0001

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.

## Broadleaf Weed Control in Sorghum

Trial ID: **BD1725**

Location:

**Blackville**

Trial Year:

**2018****Assessment Type**

BURNDOWN = % Burndown/brown out

**ARM Action Codes**

AA = Automatic arcsine square root % transformation

AL = Automatic log transformation of X+1

T1 = [C3]/10

T2 = LOG ([6] + 1)

DAA = Days after Application

Application Description			
	A	C	D
Application Date:	23/12/2017		
Application Start Time:	1:00 PM		
Application Stop Time:	4:00 PM		
Application Method:	SPRAY		
Application Timing:	LATE POST-EM		
Application Placement:	FOLIAR		
Air Temperature, Unit:	32 C		
% Relative Humidity:	38		
Wind Velocity, Unit:	2.7 m/s		
Wind Direction:	W		
Dew Presence (Y/N):	No		
% Cloud Cover:	70		

NB: Application Code B: Using DG nozzles - was not applied.  
Treatment 3 became an Untreated.

Application Equipment			
	A	C	D
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:	10.3 km/h	14.4 km/h	7.2 km/h
Spray Volume, Unit:	70 L/ha	50 L/ha	100 L/ha