

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: DK1735 Location: Inverell Trial Year: 2017
 Investigator: Denielle Kilby

Objective:	To evaluate in-crop options for <i>Tribulus</i> control			
Application Code:	A	B	C	D
Application Date:	23/01/2018			
Nozzle:	AIXR11005	DG110015	AIXR11005	AIXR11005
Application Timing:	Post-Emergent Knockdown			
Weed Stage:	Beginning of flowering			
Weed Population:	1.2 /m ²			
Keywords:	<i>Tribulus</i> , knockdown, fallow			
NB: Trial done under fallow conditions, not in-crop				

Pest Scientific Name					<i>Tribulus eichlerianus</i>	
Pest Name					Bull-head	
Assessment Date					5/02/2018	22/02/2018
Assessment Type					BURNDOWN	COUNT
Assessment Unit					%	/m ²
Pest Stage Majority					61	
Treatment-Evaluation Interval					13 DAA	30 DAA
ARM Action Codes					AA	AA T1
Trt No.	Treatment	Product Rate	Appln. Code	Spray Volume		
1	Gesaprim 900WG Starane Advanced Chemwet 1000	1100g/ha 450ml/ha 0.5% v/v	A	70L/ha	99ab	0.1cde
2	Gesaprim 900WG Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	A	70L/ha	97abc	0.2bcd
3	Gesaprim 900WG Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	B	70L/ha	99ab	0.2bcd
4	Gesaprim 900WG Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	C	50L/ha	96abc	0.4abc
5	Gesaprim 900WG Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	D	100L/ha	98ab	0.1cde
6	Gesaprim 900WG Starane Advanced Hasten	1100g/ha 600ml/ha 0.5% v/v	A	70L/ha	99ab	0.1cde
7	Gesaprim 900WG Cutlass 500 SL Hasten	1100g/ha 500ml/ha 0.5% v/v	A	70L/ha	93bc	0.2bcd
8	Gesaprim 900WG Tordon 75D Hasten	1100g/ha 500ml/ha 0.5% v/v	A	70L/ha	100a	0.0de
9	Gesaprim 900WG Bromicide 200 EC Hasten	1100g/ha 2000ml/ha 0.5% v/v	A	70L/ha	100a	0.0e

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.

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Pest Stage Majority					61	
Treatment-Evaluation Interval					13 DAA	30 DAA
ARM Action Codes					AA	AA T1
Trt No.	Treatment	Product Rate	Appl. Code	Spray Volume		
10	Terbyne Xtreme Hasten	1200g/ha 0.5% v/v	A	70L/ha	66d	0.9a
11	Terbyne Xtreme Starane Advanced Hasten	950g/ha 450ml/ha 0.5% v/v	A	70L/ha	87c	0.5ab
12	Gp HC V	1000ml/ha	A	70L/ha	99ab	0.2bcd
LSD P=					12.2t	2.18t
Treatment Prob.(F)=					0.0002	0.0038

Assessment Type

BURNDOWN = Burndown/brown out

Pest Stage Majority

61 = Beginning of flowering: 10% of flowers open

ARM Action Codes

AA = Automatic arcsine square root % transformation

T1 = Arcsine square root percent ([3])

DAA = Days after Application A

Pest Stage at Each Application

	A	B	C	D
Pest:	<i>Tribulus terrestris</i> Caltrop			
Pest Stage:	Beginning of Flowering. 10% Flowers Open			
Diameter, Unit:	50 cm			
Density, Unit:	1.2 /m ²			

Application Equipment

	A	B	C	D
Operation Pressure, Unit:	300 kPa			
Nozzle Type:	AIXR	DG	AIXR	AIXR
Nozzle Size:	1100015			
Nozzle Spacing, Unit:	50 cm			
Nozzles/Row:	4			
Boom Length, Unit:	4 m			
Boom Height, Unit:	50 cm			
Ground Speed, Unit:	10.3 km/h	10.3 km/h	14.6 km/h	7.2 km/h
Carrier:	WATER			
Spray Volume, Unit:	70 L/ha	70 L/ha	50 L/ha	100 L/ha