

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 Fallow

Trial ID: **LB1729** Location: **Mt Tyson** Trial Year: **2017**
 Investigator: **Linda Bailey**

Objective:	To evaluate in-crop options for <i>Tribulus</i> control			
Situation:	Fallow (Additional trial on higher weed population)			
Application Code:	A	B	C	D
Nozzle:	AIXR110015	DG110015	AIXR110015	AIXR110015
Spray volume:	70 L/ha	70 L/ha	50 L/ha	100 L/ha
Application Date:	22/11/2017			
Weeds:	Yellow Vine (<i>Tribulus micrococcus</i>)			
Weed Stage Majority:	Full Flowering (90% of Population)			
Weed Population:	3.8/m ²			
Keywords:	<i>Tribulus</i> , Yellow vine, knockdown, fallow			

Pest Scientific Name Pest Name Description Assessment Date Assessment Type Assessment Unit Pest Stage Majority Treatment-Evaluation Interval ARM Action Codes					<i>Tribulus micrococcus</i> Yellow vine		
					8/12/2017 BURNDOWN % 65 16 DAA AA	Regrowing 21/12/2017 COUNT /m ² 67 29 DAA T1	Weed Groundcover 9/01/2018 AREA % 48 DAA ET9
Trt No.	Treatment	Product Rate	Appln. Code	Spray Volume			
1	Nu-trazine 900 DF Starane Advanced Chemwet	1100g/ha 450ml/ha 0.5% v/v	A	70L/ha 70L/ha 70L/ha	11de	2.1-	83a
2	Nu-trazine 900 DF Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	A	70L/ha 70L/ha 70L/ha	37bcd	1.9-	63a
3	Nu-trazine 900 DF Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	B	70L/ha 70L/ha 70L/ha	32bcd	2.2-	82a
4	Nu-trazine 900 DF Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	C	50L/ha 50L/ha 50L/ha	21cde	3.1-	90a
5	Nu-trazine 900 DF Starane Advanced Hasten	1100g/ha 450ml/ha 0.5% v/v	D	100L/ha 100L/ha 100L/ha	57b	2.9-	78a
6	Nu-trazine 900 DF Starane Advanced Hasten	1100g/ha 600ml/ha 0.5% v/v	A	70L/ha 70L/ha 70L/ha	50bc	2.5-	80a
7	Nu-trazine 900 DF Cutlass 500 SL Hasten	1100g/ha 500ml/ha 0.5% v/v	A	70L/ha 70L/ha 70L/ha	39bc	2.7-	75a
8	Nu-trazine 900 DF Tordon 75D Hasten	1100g/ha 500ml/ha 0.5% v/v	A	70L/ha 70L/ha 70L/ha	33bcd	2.7-	58a

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Pest Scientific Name Pest Name					<i>Tribulus micrococcus</i> Yellow vine		
Description					8/12/2017 BURNDOWN %	21/12/2017 COUNT /m ²	Weed Groundcover 9/01/2018 AREA %
Assessment Date							
Assessment Type							
Assessment Unit							
Pest Stage Majority							
Treatment-Evaluation Interval							
ARM Action Codes							
Trt No.	Treatment	Product Rate	Appln. Code	Spray Volume			
9	Nu-trazine 900 DF Bromicide 200 EC Hasten	1100g/ha 2000ml/ha 0.5% v/v	A	70L/ha 70L/ha 70L/ha	99a	1.1-	35*
10	Terbyne Xtreme 875 WG Hasten	1200g/ha 0.5% v/v	A	70L/ha 70L/ha	6e	2.9-	88a
11	Terbyne Xtreme 875 WG Starane Advanced Hasten	950g/ha 450ml/ha 0.5% v/v	A	70L/ha 70L/ha 70L/ha	58b	2.1-	62a
12	Gp HC V	1000ml/ha	A	70L/ha	95a	1.1-	18b
LSD P=					18.1t	nsd	32.1
Treatment Prob.(F)=					0.0001	0.5368	0.0082

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.
 nsd = No significant difference

*** Treatment 9 excluded from analysis of % groundcover due to high variability**

Assessment Type
BURNDOWN = % Burndown/brown out

Pest Stage Majority
65 = Full flowering: 50% of flowers open, first petals may be fallen
67 = Flowering finishing: majority of petals fallen or dry

ARM Action Codes
AA = Automatic arcsine square root % transformation
ET9 = Excluded treatment 9
T1 = [C2]/10

DAA = Days after Application

Application Description				
	A	B	C	D
Application Date:	22/11/2017			
Application Start Time:	7:10 AM			
Application Stop Time:	10:30 AM			
Application Method:	SPRAY			
Application Timing:	LATE POST-EM			
Application Placement:	FOLIAR			
Air Temperature, Unit:	20 C			
% Relative Humidity:	51			
Wind Velocity, Unit:	12 km/h			
Wind Direction:	E			
Dew Presence (Y/N):	No			
Soil Moisture:	DRY			
% Cloud Cover:	70			
Next Moisture Occurred On:	3/12/2017			

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Trial ID: LB1729

Location:

Mt Tyson

Trial Year: 2017

Application Equipment				
	A	B	C	D
Application Equipment:	Quad Bike			
Equipment Type:	Boom			
Operation Pressure, Unit:	300 kPa			
Nozzle Type:	AIXR	DG	AIXR	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	10.3 km/h	14.4 km/h	7.2 km/h
Spray Volume, Unit:	70 L/ha	70 L/ha	50 L/ha	100 L/ha