

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.

Post-emergent Wild Oat Control in Chickpea

Trial ID: **DK1710** Location: **Pallamallawa** Trial Year: **2017**
Investigator: **Denielle Kilby**

Objective:	To evaluate post-emergent herbicides against wild oats in chickpeas	
Application Date:	27/07/2017	9/08/2017
Application Timing:	Early Post Emergent	Late Post Emergent
Weed Stage:	2 Tiller	2nd Node
Planting Date:	15/06/2017	
Crop Stage at Application:	6th Node	First Bud

Pest Scientific Name				Avena spp		
Pest Name				Wild Oat		
Description					Panicles	Seeds
Assessment Date				21/08/2017	26/09/2017	26/09/2017
Assessment Type				BURNDOWN	COUNT	COUNT
Assessment Unit				%	/m ²	/m ²
Crop Stage Majority				False Flower	Full Seed	Full Seed
Pest Stage Majority					69	69
Treatment-Evaluation Interval				25 DAA	61 DAA	61 DAA
ARM Action Codes					AS T1	TL[6]
Trt No.	Treatment	Product Rate	Appln. Code			
1	Untreated	-	-	5c	272a	12616a
2	Status	500ml/ha	A	20b	189ab	5514ab
	Uptake	0.5% v/v	A			
	Liae	2% v/v	A			
3	Verdict 520	100ml/ha	A	5c	286a	14864a
	Uptake	0.5% v/v	A			
4	Verdict 520	100ml/ha	A	43a	127bc	4280abc
	Status	500ml/ha	A			
	Uptake	0.5% v/v	A			
	Liae	2% v/v	A			
5	Oatmaster	2500ml/ha	A	12bc	91cd	1231cde
	Uptake	0.5% v/v	A			
6	Oatmaster	1250ml/ha	B	7c	44d	674de
	Uptake	0.5% v/v	B			
7	Oatmaster	1875ml/ha	B	13bc	53d	810de
	Uptake	0.5% v/v	B			
8	Oatmaster	2500ml/ha	B	8c	42d	521e
	Uptake	0.5% v/v	B			
9	Verdict 520	100ml/ha	A	8c	87cd	2066bcd
	Uptake	0.5% v/v	A			
	Oatmaster	1250ml/ha	B			
	Uptake	0.5% v/v	B			
10	Status	500ml/ha	A	20b	80cd	1400cde
	Uptake	0.5% v/v	A			
	Liae	2% v/v	A			
	Oatmaster	1250ml/ha	B			
	Uptake	0.5% v/v	B			

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.

Missing data estimates are included in columns: Average = 1 ,2, 4, 6

Post-emergent Wild Oat Control in Chickpea

Trial ID: **DK1710** Location: **Pallamallawa** Trial Year: **2017**

Pest Scientific Name Pest Name Description Assessment Date Assessment Type Assessment Unit Crop Stage Majority Pest Stage Majority Treatment-Evaluation Interval ARM Action Codes				<i>Avena spp</i> Wild Oat		
				21/08/2017 BURNDOWN % False Flower 25 DAA	Panicles 26/09/2017 COUNT /m ² Full Seed 69 61 DAA AS T1	Seed 26/09/2017 COUNT /m ² Full Seed 69 61 DAA TL[6]
Trt No.	Treatment	Product Rate	Appln. Code			
11	Verdict 520	100ml/ha	A	5a	57cd	1397cde
	Status	500ml/ha	A			
	Uptake	0.5% v/v	A			
	Lise	2% v/v	A			
	Oatmaster	1250ml/ha	B			
	Uptake	0.5% v/v	B			
LSD P= Treatment Prob.(F)=				10.4 0.0001	3.78t 0.0001	0.6t 0.0002

Assessment Type

BURNDOWN = burndown/brown out

Pest Stage Majority

69 = End of flowering: fruit set visible

ARM Action Codes

AS = Automatic square root transformation of X+0.5

T1 = SQR ([4] + .5)

T2 = Log ([6] + 1)

DAA = Days after Application A

Application Description		
	A	B
Application Date:	27/07/2017	9/08/2017
Application Start Time:	12:20 PM	3:30 PM
Application Stop Time:	1:00 PM	4:00 PM
Application Method:	SPRAY	
Application Timing:	EARLY POST-EM	LATE POST-EM
Application Placement:	FOLIAR	
Air Temperature, Unit:	21 C	18 C
% Relative Humidity:	45	44
Wind Velocity, Unit:	2 m/s	0.9 m/s
Wind Direction:	SSW	
Dew Presence (Y/N):	No	
% Cloud Cover:	0	

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	
Carrier:	WATER	
Spray Volume, Unit:	70 L/ha	