

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.

Residual grass control in chickpea

Trial ID: AM1408 Location: Baradine Trial Year: 2014
 Protocol ID: NGA1402 Investigator: Anthony Mitchell

Planting Date:	7/05/2014	
Planting Equipment:	Commercial Disc Planter	
Row Spacing:	33cm	
Planting Rate:	66kg/ha	
Application Code:	A	B
Application Date:	7/5/2014	7/5/2014
Target/Stage:	Pre-plant	PSPE

Pest Name:							Wild Oats	Windmill grass
Pest Scientific Name:							<i>Avena spp</i>	<i>Chloris truncata</i>
Crop Name:					Chickpea	Chickpea		
Crop Variety:					PBA Boundary	PBA Boundary		
Rating Date:					28/07/2014	28/07/2014	21/09/2014	21/09/2014
Rating Type:					EMERGE	NDVI	COUNT	COUNT
Rating Unit:					/m2	INDEX	/m2	/m2
Crop Stage Majority:					21-28			
Days After First/Last Application:					82 82	82 82	137 137	137 137
Plant-Evaluation Interval:					82 DP-1	82 DP-1	137 DP-1	137 DP-1
ARM Action Codes:						AA	AL	
Trt No.	Treatment	Product Rate	Active Rate	Application Code	1	2	3	4
1	Untreated	-	-	-	14.0-	0.27a	2.4-	6.3ab
2	Untreated	-	-	-	13.1-	0.28a	1.6-	7.6a
3	Outlook	1000ml/ha	720g ai/ha	A	13.5-	0.24a-d	2.2-	6.2ab
4	Boxer Gold	2500ml/ha	2300g ai/ha	A	12.7-	0.25ab	0.6-	6.5ab
5	Triflurx	1700ml/ha	820g ai/ha	A	12.8-	0.28a	1.8-	6.1ab
6	Stomp 440	2250ml/ha	990g ai/ha	A	13.5-	0.27a	0.8-	4.9abc
7	Farmoz Exp	1000ml/ha	500g ai/ha	A	14.1-	0.25ab	0.5-	7.0a
8	Simagranz 900 DF	833g/ha	750g ai/ha	B	12.3-	0.25abc	2.2-	6.1ab
9	Terbyne Xtreme 875 WG	860g/ha	750g ai/ha	B	13.2-	0.25ab	1.3-	6.6ab
10	Balance 750 WG	100g/ha	75g ai/ha	B	14.3-	0.22bcd	1.3-	3.1cde
11	Sakura 850 WG	118g/ha	23.6g ai/ha	A	12.6-	0.20d	0.8-	1.9de
	Balance 750 WG	100g/ha	75g ai/ha	B				
12	Outlook	1000ml/ha	720g ai/ha	A	15.3-	0.22bcd	1.8-	1.7de
	Balance 750 WG	100g/ha	75g ai/ha	B				
13	Boxer Gold	2500ml/ha	2300g ai/ha	A	12.9-	0.20cd	1.5-	1.1e
	Balance 750 WG	100g/ha	75g ai/ha	B				
14	Stomp 440	2250ml/ha	990g ai/ha	A	12.3-	0.28a	1.5-	4.0bcd
	Balance 750 WG	100g/ha	75g ai/ha	B				
				LSD (P=.05)	3.00	0.282t	0.26t	2.76
				Treatment Prob. (F)	0.7914	0.0036	0.1209	0.0001

Pest Code AVESS, Avena sp. CHRTR, Chloris truncata,	Plant-Evaluation Interval 82 DP-1 = 1 CIEAR May-7-2014 137 DP-1 = 1 CIEAR May-7-2014
Part Rated SEEDLI = seedling FORAGE = forage C = Crop is Part Rated	ARM Action Codes AA = Automatic arcsine square root % transformation AL = Automatic log transformation of X+1
Rating Type EMERGE = emergence NDVI = normalized difference vegetation index COUNT = count	
Rating Unit /m2 = per square meter INDEX = index	
Rating Timing A1 = 1st Assessment According to Trial Schedule A2 = 2nd Assessment According to trial Schedule A3 = 3rd Assessment According to Trial Schedule	

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.

Application Description		
	A	B
Application Date:	7/5/14	7/5/2014
Appl. Start Time:	7.00 AM	
Appl. Stop Time:		10.00am
Application Method:	SPRAY	SPRAY
Application Timing:	PREPLA	PSPE
Air Temperature, Unit:	12	
% Relative Humidity:	70	
Wind Velocity, Unit:	5	
Wind Direction:	S	
% Cloud Cover:	50	

Application Equipment		
	A	B
Appl. Equipment:	Quadbike	Quadbike
Equipment Type:	SPRAYE	SPRAYE
Operation Pressure, Unit:	300 kPa	300 kPa
Nozzle Type:	AIXR	AIXR
Nozzle Size:	110015	110015
Nozzle Spacing, Unit:	50 cm	50 cm
Boom Length, Unit:	4 m	4 m
Boom Height, Unit:	75 cm	75 cm
Ground Speed, Unit:	10.3 KPH	10.3 KPH
Spray Volume, Unit:	70 L/ha	70 L/ha