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Residual Grass control in chickpea 2014

Trial ID: **LB1406** Location: **Fairy Meadow** Trial Year: **2014**
 Protocol ID: **NGA1403** Investigator: **Linda Bailey**

Planting Date:	6/06/2014	
Planting Equipment:	Commercial Disc Planter	
Row Spacing:	100cm	
Application Code:	A	B
Application Date:	29/5/2014	6/6/2014
Application Timing:	Pre-plant (Delayed planting)	PSPE

Pest Name:							Chickpea PBA HatTrick	Wild Oats	Sowthistle	Brassica sp.
Pest Scientific Name:									<i>Avena spp</i>	<i>Sonchus oleraceus</i>
Crop Name:							23/06/2014 EMERGE /m ² 14 25 17 17 DP-1	04/09/2014 COUNT /m ² 98 90 90 DP-1 AA	04/09/2014 COUNT /m ² 98 90 90 DP-1 AA	04/09/2014 COUNT /m ² 98 90 90 DP-1 AA
Crop Variety:										
Rating Date:										
Rating Type:										
Rating Unit:										
Crop Stage Majority:										
Days After First/Last Application:										
Plant-Evaluation Interval:										
ARM Action Codes:							1	2	3	4
Trt No.	Herbicide Treatment	Product Rate	Active Rate	Growth Stage	Appln. Code					
1	Untreated	-	-	-	-	18.6 -	0.0 -	0.6 a	0.2 b	
	Untreated	-	-	-	-					
2	Untreated	-	-	-	-	19.7 -	0.0 -	0.1 cde	0.0 d	
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
3	Sakura 850 WG	118 g/ha	100 g ai/ha	PREPLA	A	19.7 -	0.0 -	0.4 ab	0.0 cd	
	Untreated	-	-	-	-					
4	Sakura 850 WG	118 g/ha	100 g ai/ha	PREPLA	A	20.2 -	0.0 -	0.0 de	0.0 d	
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
5	Outlook	1000 ml/ha	720 g ai/ha	PREPLA	A	18.1 -	0.0 -	0.0 de	0.0 cd	
	Untreated	-	-	-	-					
6	Outlook	1000 ml/ha	720 g ai/ha	PREPLA	A	19.2 -	0.0 -	0.0 de	0.0 d	
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
7	Boxer Gold	2500 ml/ha	2300 g ai/ha	PREPLA	A	20.6 -	0.0 -	0.1 cd	0.2 bc	
	Untreated	-	-	-	-					
8	Boxer Gold	2500 ml/ha	2300 g ai/ha	PREPLA	A	20.4 -	0.0 -	0.0 e	0.0 d	
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
9	Avadex Xtend	1300 ml/ha	780 g ai/ha	PREPLA	A	20.5 -	0.0 -	0.6 a	0.3 ab	
	Untreated	-	-	-	-					
10	Avadex Xtend	1300 ml/ha	780 g ai/ha	PREPLA	A	19.7 -	0.0 -	0.0 de	0.0 d	
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
11	Triflurx	1700 ml/ha	820 g ai/ha	PREPLA	A	20.8 -	0.0 -	0.4 ab	0.3 ab	
	Untreated	-	-	-	-					
12	Triflurx	1700 ml/ha	820 g ai/ha	PREPLA	A	21.0 -	0.0 -	0.0 de	0.0 d	
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
13	Triflurx	1500 ml/ha	720 g ai/ha	PREPLA	A	20.6 -	0.0 -	0.2 bc	0.6 a	
	Avadex Xtend	1300 ml/ha	780 g ai/ha	PREPLA	A					
	Untreated	-	-	-	-					
14	Triflurx	1500 ml/ha	720 g ai/ha	PREPLA	A	19.6 -	0.1 -	0.0 de	0.0 cd	
	Avadex Xtend	1300 ml/ha	780 g ai/ha	PREPLA	A					
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
15	Stomp 440	2250 ml/ha	990 g ai/ha	PREPLA	A	20.8 -	0.0 -	0.1 cde	0.4 ab	
	Untreated	-	-	-	-					
16	Stomp 440	2250 ml/ha	990 g ai/ha	PREPLA	A	21.4 -	0.0 -	0.0 e	0.0 d	
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
17	Farmoz Exp	1000 ml/ha	500 g ai/ha	PREPLA	A	18.7 -	0.0 -	0.1 cde	0.7 a	
	Untreated	-	-	-	-					
18	Farmoz Exp	1000 ml/ha	500 g ai/ha	PREPLA	A	19.4 -	0.1 -	0.0 e	0.0 d	
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
19	Terbyne Xtreme 875 WG	860 g/ha	750 g ai/ha	PREPLA	A	21.6 -	0.0 -	0.0 e	0.0 d	
	Avadex Xtend	1300 ml/ha	780 g ai/ha	PREPLA	A					
	Untreated	-	-	-	-					
20	Terbyne Xtreme 875 WG	860 g/ha	750 g ai/ha	PREPLA	A	19.9 -	0.0 -	0.0 e	0.0 d	
	Avadex Xtend	1300 ml/ha	780 g ai/ha	PREPLA	A					
	Balance 750 WG	100 g/ha	75 g ai/ha	PSPE	B					
	LSD					nsd	nsd	1.57t	1.55t	
	Treatment Prob.(F)					0.2836	0.9353	0.0001	0.0001	

Means followed by same letter do not significantly differ (P=0.05, 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.

<u>Rating type</u> EMERGE = emergence COUNT = count	<u>Crop Stage Majority</u> 14 = 4 true leaves, leaf pairs or whorls unfolded
<u>Rating Unit</u> /m ² = per square meter	<u>Plant-Evaluation Interval</u> 17 DP-1 = 1 CIEAR Jun-6-2014 90 DP-1 = 1 CIEAR Jun-6-2014 <u>ARM Action Codes</u> - AA = Automatic arcsine square root % transformation

Application Description		
	A	B
Application Date:	29/5/14	6/6/14
Application Start Time:	12:10 PM	10:40 AM
Application Stop Time:	2:00 PM	10:50 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PREPLA	PSPE
Applied By:	L Bailey	L Bailey
Air Temperature, Unit:	27 C	20 C
% Relative Humidity:	53	57
Wind Velocity, Unit:	7 KPH	3 KPH
Wind Direction:	N	N
Dew Presence (Y/N):	N no	N no
% Cloud Cover:	10	20
Next Moisture Occurred On:	3/6/14	14/6/14

Application Equipment		
	A	B
Application 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:	0.5 m	0.5 m
Ground Speed, Unit:	10.3 KPH	10.3 KPH
Carrier:	WATER	WATER
Spray Volume, Unit:	70 L/ha	70 L/ha