Residual Control Grass Weeds in Chickpeas

Trial ID: LB1709 **Location:** Millmerran **Trial Year:** 2017
Investigator: Linda Bailey

Objective:	**To compare efficacy of Chickpea pre-emergent herbicides against wild oats**	
Application Code:	**A**	**B**
Application Date:	**23/05/2017**	**29/05/2017**
Application Timing:	**Incorporated by Sowing**	**Post Sowing, Pre-Emergence**
Planting Date:	**24/05/2017**	
Planting Equipment:	**Commercial Tyne Planter**	
Row Spacing:	**50cm**	
Keywords:	**Wild Oats, Chickpeas, residual**	

Pest Scientific Name				***Avena sterilis ludoviciana***	
Pest Name				**Wild Oat**	
Crop Name				**Chickpea**	
Crop Variety				**PBA HatTrick**	
Assessment Date				**14/06/2017**	**5/07/2017**
Assessment Type				**EMERGENCE**	**COUNT**
Assessment Unit				**/m²**	**/m²**
Crop Stage Majority				**06 V (4)**	**06 V (11)**
Pest Stage Majority					**13**
Plant-Evaluation Interval				**21 DP**	**42 DP**
ARM Action Codes				**T2**	**AA T1**
Trt No.	**Treatment**	**Product Rate**	**Appln. Code**		
1	Untreated	-	-	21.3-	1.1ab
2	Sakura	118g/ha	A	21.9-	0.3cd
3	Boxer Gold	2500ml/ha	A	22.0-	0.2cd
4	Experimental 1	1800ml/ha	A	21.8-	0.3cd
5	Avadex Xtra	1600ml/ha	A	21.3-	0.4bcd
6	TriflurX	1700ml/ha	A	21.3-	0.5bcd
7	Avadex Xtra TriflurX	1600ml/ha 1700ml/ha	A A	22.4-	0.2cd
8	Outlook	1000ml/ha	A	20.1-	0.6bc
10	Experimental 2	1000ml/ha	A	21.0-	0.3cd
11	Bladex	2200g/ha	A	23.0-	0.8abc
12	Rifle 440	2500ml/ha	A	19.1-	0.1d
13	Terbyne Xtreme	700g/ha	B	20.5-	1.5a
14	Terbyne Xtreme	1000g/ha	B	18.1-	1.6a
15	Balance Simazine 900 DF	100g/ha 1000g/ha	B B	21.8-	0.8abc
			LSD P=	nsd	2.747t
			Treatment Prob.(F)=	0.7845	0.0018

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 = 4
nsd = No Significant Difference

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Pest Stage Majority
13 = 3 true leaves, leaf pairs or whorls unfolded
Crop Stage Majority
06 V (4) = 4th node
06 V (11) = 11th node
ARM Action Codes
AA = Automatic arcsine square root % transformation
T2 = [1]/2
T1 = Arcsine square root percent ([4])

DP = Days after Planting

Application Description		
	A	B
Application Date:	23/05/2017	29/05/2017
Application Start Time:	11:25 AM	1:15 PM
Application Stop Time:	1:00 PM	1:30 PM
Application Method:	SPRAY	
Application Timing:	Pre-Plant	PSPE
Application Placement:	SOIL	
Air Temperature, Unit:	23 C	22 C
% Relative Humidity:	49	40
Wind Velocity, Unit:	4 km/h	6 km/h
Wind Direction:	N	SW
Dew Presence (Y/N):	No	
Soil Moisture:	DRY	
% Cloud Cover:	5	0
Next Moisture Occurred On:	13/06/2017	13/06/2017

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:	7.2 km/h	
Carrier:	Water	
Spray Volume, Unit:	100 L/ha	