

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.

Problem Weed Control in Chickpeas

Trial ID: RD1004

Location:

Dulacca

Trial Year:

2010

Investigator:

Rob Duncan

Objective:	To screen herbicide options for crop safety and problem weed control in Chickpeas
Planting Date:	20/05/2010
Crop Stage at Application:	Post Planting Pre-emergence (PSPE)
Application Date:	24/05/2010
Nozzles:	Airmix 11001
Volume:	70 L/ha
Keywords:	Wild oats, common sowthistle, spear thistle, residuals, chickpea

Trt No.	Treatment	Product Rate ml or g/ha	Chickpeas 24/06/2010 35 DAP Plants /m ²	Wild Oats 24/06/2010 31DAA Plants /m ²	Common Sowthistle 3/09/2010 31DAA Plants /m ²
1	Untreated	-	15.4	0.1	2.8a
2	Balance	50	16.0	2.9	0.0c
3	Balance	100	17.8	0.8	0.0c
4	Diuron 900DF	550	17.0	0.2	0.7b
5	Diuron 900DF	830	15.0	0.0	0.6b
6	Balance + Diuron 900DF	50 + 550	20.1	0.4	0.0c
7	Balance + Diuron 900DF	100 + 550	17.3	0.5	0.0c
8	Simazine 900DF	800	12.6	0.1	0.0c
9	Simazine 900DF	1100	14.8	1.1	0.0c
10	Balance + Simazine 900DF	50 + 800	17.9	0.3	0.0c
11	Balance + Simazine 900DF	100 + 800	15.2	0.4	0.0c
12	Terbyne	700	14.9	0.6	0.0c
13	Terbyne	1000	15.7	2.0	0.0c
14	Balance + Terbyne	50 + 700	15.8	0.5	0.0c
15	Balance + Terbyne	100 + 700	15.1	0.4	0.0c
16	Balance + Group B S + Simazine	80 + 20 + 550	16.8	0.3	0.0c
P =			0.6208	0.4911	0.0000
LSD =			nsd	arcsin detransf	arcsin detransf

Broadleaf Weeds in Chickpeas

Trial ID: RD1004

Location:

Dulacca

Trial Year:

2010

Trt No.	Treatment	Product Rate ml or g/ha	Spear Thistle 3/09/2010 31DAA Plants/m ²	Climbing Buckwheat 3/09/2010 31DAA Plants /m ²	Burr medic 3/09/2010 31DAA Plants /m ²
1	Untreated	-	0.30a	0.00	0.0c
2	Balance	50	0.00c	0.05	0.0c
3	Balance	100	0.00c	0.00	0.0c
4	Diuron 900DF	550	0.14b	0.04	0.1ab
5	Diuron 900DF	830	0.09b	0.11	0.1a
6	Balance + Diuron 900DF	50 + 550	0.00c	0.03	0.0c
7	Balance + Diuron 900DF	100 + 550	0.00c	0.29	0.0c
8	Simazine 900DF	800	0.00c	0.00	0.0c
9	Simazine 900DF	1100	0.00c	0.02	0.0bc
10	Balance + Simazine 900DF	50 + 800	0.00c	0.00	0.0c
11	Balance + Simazine 900DF	100 + 800	0.00c	0.00	0.0c
12	Terbyne	700	0.01c	0.34	0.0bc
13	Terbyne	1000	0.00c	0.00	0.0c
14	Balance + Terbyne	50 + 700	0.00c	0.02	0.0c
15	Balance + Terbyne	100 + 700	0.00c	0.00	0.0c
16	Balance + Group B S + Simazine	80 + 20 + 550	0.00c	0.01	0.0c
P =			0.0000	0.4087	0.0524
LSD =			arcsin detransf	arcsin detransf	0.04 (10%)

Treatment means followed by the same letter are not significantly different at P = 0.05

nsd = No significant difference

DAP = Days after Planting

DAA = Days after Application

Comments:

No indication of any crop safety issues in this trial.

Weed germinations occurred shortly after planting and were assessed at 31 days after application

Wild oats - no treatment provided significant control

Common sowthistle – significant control from all treatments. Diuron provided the least suppression.

Spear thistle – significant control from all treatments. Diuron provided the least suppression.

Climbing buckwheat – trace levels, too low for sound conclusions

Burr medic – trace levels, too low for sound conclusions. Diuron provided the least suppression.