

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: CFT1001

Location:

Maules Creek

Trial Year:

2010

Investigator:

Clare Felton-Taylor

Objective:	To screen herbicide options for crop safety and problem weed control in Chickpeas
Planting Date:	9/06/2010
Crop Growth Stage at Application:	Post Plant Pre-Emergence (PSPE)
Application Date:	10/06/2010
Nozzles:	AIXR110015
Volume:	70 L/ha

Trt No.	Treatment	Product Rate mL or g/ha	Chickpea Emergence 7/07/2010 28 DAP Plants /m ²	Climbing Buckwheat 18/08/2010 69 DAA Plants /m ²	Wireweed 18/08/2010 69 DAA Plants /m ²	Turnip Weed 18/08/2010 69 DAA Plants /m ²	Wild Oats 18/08/2010 69 DAA Plants /m ²	Phalaris 18/08/2010 69 DAA Plants /m ²
1	Untreated	-	19	4.4	0.4	1.0	1.5a	2.5
2	Balance	50	18	0.1	0.3	0.0	0.6ab	1.0
3	Balance	100	20	2.3	0.0	0.0	0.3b	0.9
4	Diuron 900DF	550	20	2.7	0.3	0.8	0.3b	1.4
5	Diuron 900DF	830	21	0.0	0.1	0.1	0.3b	0.5
6	Balance + Diuron	50 + 550	24	5.2	0.0	0.0	0.2b	0.8
7	Balance + Diuron	100 + 550	25	1.5	0.0	0.0	0.2b	0.7
8	Simazine 900 DF	800	25	3.2	0.0	0.2	0.2b	0.4
9	Simazine 900 DF	1100	19	2.0	0.1	0.0	0.0b	1.0
10	Balance + Simazine	50 + 800	17	0.5	0.0	0.0	0.0b	0.7
11	Balance + Simazine	100 + 800	23	0.6	0.0	0.0	0.0b	0.1
12	Terbyne	700	24	8.6	0.0	0.0	0.0b	1.3
13	Terbyne	1000	23	0.4	0.0	0.0	0.0b	0.1
14	Balance + Terbyne	50 + 700	25	1.2	0.0	0.0	0.0b	0.6
15	Balance + Terbyne	100 + 700	20	1.7	0.0	0.0	0.0b	0.6
16	Balance + Group B S + Simazine	80 + 20 + 550	21	0.6	0.1	0.0	0.0b	0.8
		P =	0.22	0.58	0.23	0.12	0.04	0.84
		LSD =	nsd	nsd	nsd	nsd	0.36-0.51	nsd

Problem Weed Control in Chickpeas

Trial ID: CFT1001

Location: Maules Creek

Trial Year: 2010

Trt No.	Treatment	Product Rate mL or g/ha	Climbing Buckwheat 9/09/2010 91 DAA Plants /m ²	Wireweed 9/09/2010 91 DAA Plants /m ²	Turnip Weed 9/09/2010 91 DAA Plants /m ²
1	Untreated	-	3.7	1.3a	0.5a
2	Balance	50	0.6	0.2bc	0.0b
3	Balance	100	3.2	0.0c	0.0b
4	Diuron 900DF	550	4.7	0.7b	0.4a
5	Diuron 900DF	830	0.2	0.4bc	0.1b
6	Balance + Diuron	50 + 550	8.2	0.0c	0.0b
7	Balance + Diuron	100 + 550	5.4	0.0c	0.0b
8	Simazine 900 DF	800	4.4	0.0c	0.1b
9	Simazine 900 DF	1100	3.6	0.0c	0.0b
10	Balance + Simazine	50 + 800	1.8	0.0c	0.0b
11	Balance + Simazine	100 + 800	0.0	0.1bc	0.0b
12	Terbyne	700	2.2	0.1bc	0.0b
13	Terbyne	1000	0.1	0.0c	0.0b
14	Balance + Terbyne	50 + 700	0.1	0.0c	0.0b
15	Balance + Terbyne	100 + 700	0.2	0.0c	0.0b
16	Balance + Group B S + Simazine	80 + 20 + 550	0.15	0.0c	0b
		P =	0.24	0.00	0.01
		LSD =	arcsin transformation	0.59	0.28

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

There was no effect on crop emergence from any treatment.

Climbing Buckwheat (*Fallopia convolvulus*) and Wireweed (*Polygonum aviculare*) were the key target weed species. In this trial, no treatment provided significant levels of control of climbing buckwheat at either assessment. Low levels of wireweed were apparent at the 69 DAA assessment with no apparent difference between treatments. However significant levels of control were found from all treatments following a germination in late August and early September. The poorest treatments for wireweed suppression were Balance 50 g/ha, Diuron at both rates, Balance + Simazine and the low rate of Terbyne. All treatments provided good control of turnip weed.