

Disclaimer:

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Problem Weed Control in Chickpeas

Trial ID: RD1005 Pilton Evanslea Trial Year: 2010
Investigator: Rob Duncan

Objective:	To screen herbicide options for crop safety and problem weed control in Chickpeas
Planting Date:	11/06/2010
Crop Stage at Application:	Post Planting Pre-emergence (PSPE)
Application Date:	12/06/2010
Nozzles:	TT11001
Volume:	70 L/ha
Keywords:	Flaxleaf fleabane, pre-emergent, chickpea

Trt No	Treatment	Product Rate ml or g/ha	Wild Oats 30/7/2010 49 DAA Plants /m ²	Common Sowthistle 30/7/2010 49 DAA Plants /m ²	Deadnettle 30/7/2010 49 DAA Plants /m ²	Flaxleaf Fleabane 30/7/2010 49 DAA Plants /m ²
1	Untreated	-	0.03	0.09	0.09b	0.31a
2	Balance	50	0.00	0.00	0.06b	0.05bc
3	Balance	100	1.18	0.06	0.02b	0.00c
4	Diuron 900DF	550	0.03	0.03	0.06b	0.12ab
5	Diuron 900DF	830	0.02	0.14	0.06b	0.18ab
6	Balance + Diuron 900DF	50 + 550	0.03	0.02	0.06b	0.00c
7	Balance + Diuron 900DF	100 + 550	0.45	0.00	0.02b	0.00c
8	Simazine 900DF	800	0.12	0.03	0.02b	0.03bc
9	Simazine 900DF	1100	0.32	0.00	0.50a	0.00c
10	Balance + Simazine 900DF	50 + 800	0.14	0.06	0.00b	0.00c
11	Balance + Simazine 900DF	100 + 800	0.00	0.00	0.00b	0.00c
12	Terbyne	700	0.22	0.02	0.02b	0.03bc
13	Terbyne	1000	0.25	0.02	0.00b	0.09abc
14	Balance + Terbyne	50 + 700	0.21	0.00	0.00b	0.00c
15	Balance + Terbyne	100 + 700	0.05	0.00	0.06b	0.00c
16	Balance + Group B S + Simazine	80 + 20 + 550	0.19	0.00	0.00b	0.02bc
P =			0.41	0.23	0.018	0.014
LSD =			nsd	nsd	0.03	0.03

Means followed by same letter do not significantly differ (P=.05, LSD)

DAA = Days after Application

nsd = No significant difference

Comments:

No plot assessment of crop emergence was conducted. Establishment at site was ~12 chickpeas/m row

Low weed emergence occurred at this site with useful data only generated on flaxleaf fleabane.

Flaxleaf fleabane - significant control from most treatments. Diuron provided the least suppression.

Wild oats and common sowthistle – low levels with no significant differences

Dead nettle – low levels, no product superior to Untreated