

Chickpea cultivars response to herbicides in the Northern Region 2008-09, 2011, 2015

This research has been conducted across the Northern Region to determine if new and existing varieties of barley vary in tolerance to commonly used herbicides

The sensitivity of the variety is summarised, using the following symbols based on the yield responses across all trials:

- not tested or insufficient data
- ✓ no significant yield reductions at recommended rates or higher than recommended rates in 2+ trials
- N (narrow margin) significant yield reductions at higher than recommended rate in 1+ trials, but not at recommended rate
- x% yield reduction (warning) significant yield reduction at recommended rate in 1 trial only
- x-y% yield reductions (warning) significant yield reductions at recommended rate in 2+ trials

Always follow label recommendations. All herbicide applications must accord with the currently registered label for that particular herbicide, crop, weed and region. Any research regarding herbicides of their use reported in this website does not constitute a recommendation for that particular use by the authors, the author's organisations of ACAS. It must be emphasised that crop tolerance and yield responses to herbicides are strongly influenced by seasonal conditions.

Herbicide		Balance	Balance + Simazine	Broadstrike	Fusilade Forte
Cultivar		isoxaflutole	isoxaflutole + simazine	flumetsulam	fluazifop
	Years tested	2008-2009	2008	2011	2011
	Site	C	C	C	C
CICA0912	2015	D	-	-	-
Flipper	2008-2009	C	✓(2)	✓(1)	-
Jimbour	2008-2009	C	✓(2)	✓(1)	✓(1)
Kyabra	2008-2009	C	✓(2)	✓(1)	-
PBA Boundary	2011	C	-	-	✓(1)
PBA HatTrick	2008-2009	C	✓(2)	✓(1)	✓(1)
Yorker	2008-2009	C	✓(2)	✓(1)	✓(1)
Rates (product/ha)		100g	100g + 1.5L	25g	410mL
Crop stage at spraying		PSPE	PSPE	4 branch	4 branch

Herbicide		Sertin 186 EC	Simazine	Simazine + Spinnaker	Verdict	Sakura 850WG
Cultivar		sethoxydim	simazine	simazine + imazethapyr	haloxydim	pyroxasulfone
	Years tested	2011	2008-2009	2008	2011	2015
	Site	C	C	C	C	D
CICA0912	2015	D	-	-	-	✓(1)
Flipper	2008-2009	C	-	✓(2)	✓(1)	-
Jimbour	2008-2009	C	✓(1)	✓(2)	✓(1)	✓(1)
Kyabra	2008-2009	C	-	✓(2)	✓(1)	-
PBA Boundary	2011	C	✓(1)	-	-	✓(1)
PBA HatTrick	2008-2009	C	✓(1)	N (1/2)	✓(1)	✓(1)
Yorker	2008-2009	C	✓(1)	✓(2)	✓(1)	✓(1)
Rates (product/ha)		1.0L	2.0L	1.5L + 45g	100mL	118g
Crop stage at spraying		4 branch	PSPE	PSPE	4 branch	IBS

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Research site location: C Warwick

Site soil type : black earth

Site annual average rainfall mm: 670

