

Wheat variety response to herbicides in Western Australia 2009

This research has been conducted in WA wheatbelt to determine if new and existing varieties of wheat 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
- ✓ (z) no significant yield reductions at recommended rates or higher than recommended rates in (z) trials

x% (w/z) narrow margin, % yield reductions at higher than recommended rate, but not tested at recommended rate
 significant event occurring w years out of z years tested. Eg. (2/5) = tested for 5 years, 2 returning a significant yield loss

Always follow label recommendations. The organisations involved in this research do not endorse the use of herbicides above the registered rate or off label use of herbicides or tank mixes. It must be emphasised that crop tolerance and yield responses to herbicides are strongly influenced by seasonal conditions.

Herbicides >>>	Years Tested	Boxer® Gold	Triflur® X	Ally®	Glean®	Jaguar®	Tigrex®	Diuron + MCPA (Amine)	2,4-D LV Ester 680 (extra)
		s-Metolachlor + prosulfocarb	Trifluralin	Metsulfuron	Chlorsulfuron	Bromoxynil + Diflufenican	Diflufenican + MCPA	Diuron + MCPA	2,4-D LV Ester
Variety		2009	2009	2009	2009	2009	2009	2009	2009
AGT Katana	2009	✓(1)	✓(1)	✓(1)	N (1/1)	✓(1)	✓(1)	✓(1)	N (1/1)
Calingiri	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	N (1/1)
Carnamah	2009	N (1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
Derrimut	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
EGA.Wentworth	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
Endure	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
Fang	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	N (1/1)
Jandaro	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
King Rock	2009	✓(1)	✓(1)	N (1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
Lincoln	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
Scout	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
Wyalkatchem	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
Rates (product/ha)		>2.5 L	>3 L	>7 g	>20 g	>1 L	>1L	>0.35 L + 0.4 L	>0.8 L
Crop stage at spraying		Incorporated by seeding	Incorporate d by seeding	Z14-Z15	Z14-Z15	Z14-Z15	Z14-Z15	Z14-Z15	Z16-Z17

*Research site manager: Dr Harmohinder Dhammu, Research Officer, DAFWA, Northam.
 Phone: (08) 9690 2217, e-mail: harmohinder.dhammu@agric.wa.gov.au*

Research site location	Katanning
Site soil type	Loamy Sand
Site pH (CaCl ₂)	5.2
Rainfall (June-Nov 09)	348.2 mm
Site annual average rainfall (mm)	420



Department of Agriculture and Food



DISCLAIMER: While every care has been taken in preparing this publication, the organisations involved accept no responsibility for decisions or actions taken as a result of any data or interpretation contained in this report.