

Preliminary Barley variety response to herbicides in NSW 2008-2009

This research has been conducted at the Wagga Wagga Agricultural Institute to determine if new 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

✓ no significant yield reductions at higher than recommended rates in (z) trials

N (w/z) narrow margin, significant 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. All pesticide applications must accord with the currently registered label for that particular pesticide, crop, pest and region. Any research regarding pesticides or their use reported in this website does not constitute a recommendation for that particular use by the authors, the author's organisations or ACAS. It must be emphasised that crop tolerance and yield responses to herbicides are strongly influenced by seasonal conditions.

Herbicide		TriflurX® 480	AchieveWG®	Tristar Advance®	Bromoxynil	Ally®	Hoegrass®	Hotshot®
		Trifluralin	Tralkoxydim	Diclofop-methyl + fenoxaprop-p-ethyl	bromoxynil	metsulfuron	Diclofop-methyl	Floroxypyr + aminopyralid
Variety	Years Tested	2008-2009	2008-2009	2008-2009	2008	2008-2009	2008	2009
Baudin	2009	✓(1)	✓(1)	N (1/1)	✓(1)	✓(1)	-	✓(1)
Buloke	2008-2009	N (1/2)	✓(2)	N (1/2)	N (1/2)	✓(2)	N (1/1)	✓(1)
Capstan	2008-2009	✓(2)	✓(2)	✓(2)	N (1/2)	✓(2)	✓(1)	✓(1)
Commander	2008-2009	N (2/3)	✓(3)	✓(3)	N (1/3)	N (1/3)	N (1/1)	✓(2)
Cowabbie	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	✓(1)
Dash	2008-2009	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(1)	✓(1)
Fairview	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	✓(1)
Flagship	2008-2009	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(1)	✓(1)
Fleet	2008-2009	✓(2)	✓(2)	✓(2)	N (1/2)	N (1/2)	✓(1)	N (1/1)
Gairdner	2008-2009	N (1/2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(1)	N (1/1)
Hannan	2009	N (1/1)	✓(1)	✓(1)	✓(1)	N (1/1)	-	✓(1)
Hindmarsh	2008-2009	N (1/2)	N (1/2)	✓(2)	N (1/2)	✓(2)	N (1/1)	✓(1)
Oxford	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	✓(1)
Schooner	2008-2009	✓(2)	✓(2)	✓(2)	✓(2)	N (1/2)	✓(1)	✓(1)
Tantangarra	2009	✓(1)	✓(1)	✓(1)	✓(1)	N (1/1)	-	✓(1)
Urambie	2008-2009	✓(2)	N (1/2)	✓(2)	N (1/2)	✓(2)	N (1/1)	✓(1)
Vlamingh	2008-2009	✓(2)	N (1/2)	N (2/2)	N (1/2)	N (1/2)	N (1/1)	N (1/1)
Yarra	2008-2009	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	N (1/1)	✓(1)
Rates (product/ha)		1.5 L	0.38 kg	1.5 L	2.0 L	5 g	1.5L (375g/L) 1.1L (500g/L)	750 ml
Crop stage at spraying		IBS	2-leaf	3-leaf	3-4leaf	3-leaf	5-leaf	3-leaf

Herbicide		Glean®	Igran®	Axial®	Banvel M®	Tigrex®	Amicide 625®	Tordon 242®
		chlorsulfuron	Terbutryn	Pinoxaden	Dicamba + MCPA	MCPA + Diflufenican	2,4-D Amine	Picloram + MCPA
Variety	Years Tested	2008-2009	2008	2009	2008-2009	2008-2009	2008-2009	2009
Baudin	2009	✓(1)	-	✓(1)	✓(1)	-	N (1/1)	✓(1)
Buloke	2008-2009	✓(2)	N (1/1)	✓(1)	✓(2)	N (1/1)	N (1/2)	N (1/2)
Capstan	2008-2009	✓(2)	N (1/1)	✓(1)	N (1/2)	N (1/1)	✓(2)	N (1/2)
Commander	2008-2009	✓(3)	N (1/1)	✓(2)	✓(3)	N (1/1)	✓(3)	N (1/3)
Cowabbie	2009	✓(1)	-	✓(1)	✓(1)	-	✓(1)	✓(1)
Dash	2008-2009	✓(2)	✓(1)	✓(1)	✓(2)	✓(1)	✓(2)	✓(2)
Fairview	2009	✓(1)	-	✓(1)	✓(1)	-	✓(1)	✓(1)
Flagship	2008-2009	✓(2)	N (1/1)	✓(1)	✓(2)	N (1/1)	✓(2)	N (1/2)
Fleet	2008-2009	N (1/2)	✓(1)	✓(1)	N (1/2)	N (1/1)	N (1/2)	N (1/1)
Gairdner	2008-2009	✓(2)	✓(1)	✓(1)	N (1/2)	N (1/1)	N (1/2)	✓(1)
Hannan	2009	✓(1)	-	✓(1)	✓(1)	-	✓(1)	✓(1)
Hindmarsh	2008-2009	✓(2)	N (1/1)	✓(1)	N (1/2)	N (1/1)	✓(2)	N (1/2)
Oxford	2009	✓(1)	-	✓(1)	✓(1)	-	✓(1)	✓(1)
Schooner	2008-2009	✓(2)	N (1/1)	✓(1)	✓(2)	N (1/1)	✓(2)	N (1/2)
Tantangarra	2009	✓(1)	-	✓(1)	N (1/1)	-	✓(1)	✓(1)
Urambie	2008-2009	✓(2)	N (1/1)	✓(1)	✓(2)	N (1/1)	✓(2)	N (1/2)
Vlamingh	2008-2009	N (1/2)	✓(1)	N (1/1)	N (2/2)	N (1/1)	N (1/2)	N (1/2)
Yarra	2008-2009	✓(2)	✓(1)	✓(1)	✓(2)	N (1/1)	✓(2)	N (1/2)
Rates (product/ha)		20–25 g	1.0 L	300 ml	1.4–1.7 L	0.75 L	1.3L	1.0 L
Crop stage at spraying		3-leaf	3–4-leaf	3-leaf	5-leaf	5 L	5-leaf	3-leaf

Research site manager:

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Research site location:

Wagga Wagga, New South Wales

Site soil type :

Red Brown Earth

Site pH :

4.5

Site annual average rainfall:

530mm

Updated: Oct 2009



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