Herbicide		TriflurX® 480	AchieveWG®	Tristar Advance®	Bromoxynil	Ally®	Hotshot®	Glean®	Axial®	Tigrex®	Amicide 700	Banvel M®	Tordon 242®	Hoegrass	Igran	Boxer Gold	Ally + MCPA amine
		Trifluralin	Tralkoxydim	Diclofop-methyl + fenoxaprop-p-ethyl	bromoxynil	metsulfuron	Floroxypyr + aminopyralid	chlorsulfuron	Pinoxaden	MCPA +Diflufenican	2,4-D Amine	Dicamba + MCPA	Picloram + MCPA	Diclofop-methyl	Terbutryn flowable	S-Metolachlor	Metsulfuron methyl + MCPA amine
Variety	**Years tested**	2008-2015	2008-2013	2008-2015	2008-2015	2008-2013	2008-2015	2008-2015	2008-2015	2008-2015	2008-2015	2008-2015	2008-2015	2008	2008	2015	2015
02028-3	2011	✓(1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	N(1/1)	N(1/1)	N(1/1)	N(1/1)	✓(1)	-	-	-	-
02055-94	2012	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
04053-099	2013	✓(1)	✓(1)	✓(1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
05067-128	2014	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
BASS	2009-2012	✓(4)	N(1/4)	N(1/4)	✓(4)	N(1/4)	✓(4)	N(1/4)	✓(4)	✓(4)	N(2/4)	N(1/4)	N(1/4)	-	-	-	-
BAUDIN	2009-2012	N(1/4)	N(1/4)	N(1/4)	✓(4)	✓(4)	✓(4)	N(1/4)	✓(4)	✓(4)	N(1/4)	✓(4)	✓(4)	-	-	-	-
BULOKE	2008-2012	N(1/5)	N(1/5)	N(2/5)	N(1/5)	N(1/5)	✓(4)	N(2/5)	✓(4)	✓(5)	N(1/5)	N(1/5)	N(1/5)	✓(1)	N(1/1)	-	-
Ca412402	2011-2012	N(1/2)	N(1/2)	N(1/2)	N(1/2)	N(1/2)	✓(2)	N(1/2)	N(1/2)	N(1/2)	N(2/2)	N(1/2)	N(1/2)	-	-	-	-
CA609903	2014-2015	N(1/2)	N(1/1)	✓(2)	✓(2)	✓(1)	N(1/2)	N(1/2)	N(1/2)	N(1/2)	N(1/2)	✓(2)	✓(2)	-	-	✓(1)	✓(1)
CA613008	2015	N(1/1)	-	✓(1)	✓(1)	-	✓(1)	N(1/1)	✓(1)	✓(1)	N(1/1)	✓(1)	N(1/1)	-	-	✓(1)	✓(1)
CAPSTAN	2008-2012	✓(5)	✓(5)	✓(5)	N(2/5)	N(2/5)	✓(4)	N(1/5)	✓(4)	N(2/5)	N(1/5)	N(1/5)	✓(5)	✓(1)	N(1/1)	-	-
CARL#1238	2010-2011	N(1/2)	N(1/2)	N(1/2)	✓(2)	N(1/2)	✓(2)	N(1/2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	-	-	-	-
COMMANDER	2008-2012	N(2/5)	N(1/5)	✓(5)	N(1/5)	N(2/5)	✓(4)	N(2/5)	✓(4)	✓(5)	✓(5)	N(1/5)	✓(5)	✓(1)	N(1/1)	-	-
Compass (WI459	2013	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
COWABBIE	2009-2012	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	N(1/2)	-	-	-	-
DASH	2008-2009	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(1)	✓(2)	✓(1)	✓(2)	✓(2)	✓(2)	✓(2)	✓(1)	✓(1)	-	-
FAIRVIEW	2009-2012	✓(4)	N(1/4)	N(1/4)	N(1/4)	✓(4)	✓(4)	N(1/4)	N(1/4)	N(1/4)	✓(4)	✓(4)	✓(4)	-	-	-	-
FATHOM	2011-2012	N(2/2)	N(2/2)	✓(2)	✓(2)	N(1/2)	✓(2)	✓(2)	✓(2)	N(1/2)	✓(2)	N(1/2)	✓(2)	-	-	-	-
FINNISS	2010-2012	✓(3)	N(1/3)	✓(3)	N(1/3)	N(1/3)	✓(3)	N(1/3)	N(1/3)	✓(3)	✓(3)	✓(3)	✓(3)	-	-	-	-
FLAGSHIP	2008-2012	✓(5)	N(1/5)	✓(5)	✓(5)	N(2/5)	✓(4)	N(1/5)	N(1/4)	✓(5)	✓(5)	N(1/5)	✓(5)	✓(1)	N(1/1)	-	-
FLEET	2008-2012	✓(5)	N(1/5)	N(1/5)	N(1/5)	N(3/5)	N(1/4)	N(3/5)	N(1/4)	N(3/5)	N(2/5)	N(3/5)	✓(5)	✓(1)	✓(1)	-	-
FLINDERS	2011-2012	N(2/2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	N(1/2)	✓(2)	✓(2)	✓(2)	-	-	-	-
GAIRDNER	2008-2012	N(1/5)	N(1/5)	N(1/5)	✓(5)	N(1/5)	N(1/4)	N(1/5)	✓(4)	N(1/5)	✓(5)	N(1/5)	N(1/5)	✓(1)	✓(1)	-	-
GRANGE	2012	N(1/1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
GROUT	2014	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
HANNAN	2009-2012	N(1/3)	✓(3)	✓(3)	✓(3)	N(1/3)	✓(3)	✓(3)	✓(3)	N(1/3)	✓(3)	N(1/3)	✓(3)	-	-	-	-
HENLEY	2011-2012	N(1/2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	N(1/2)	N(1/2)	✓(2)	-	-	-	-
HINDMARSH	2008-2012	N(1/5)	N(1/5)	✓(5)	N(1/5)	N(2/5)	✓(4)	N(2/5)	✓(4)	N(1/5)	N(1/5)	N(2/5)	✓(5)	✓(1)	N(1/1)	-	-
Rosalind (IGB130	2015	N(1/1)	-	N(1/1)	✓(1)	-	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	✓(1)	N(1/1)
Spartacus CL(IGB	2015	✓(1)	-	✓(1)	✓(1)	-	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	✓(1)	✓(1)
IGB1414T	2015	✓(1)	-	✓(1)	✓(1)	-	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	✓(1)	N(1/1)
La Trobe	2012	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	N(1/1)	N(1/1)	✓(1)	N(1/1)	N(1/1)	-	-	-	-
MACQUARIE	2009-2012	N(1/4)	N(1/4)	✓(4)	✓(4)	N(1/4)	N(1/4)	N(2/4)	N(1/4)	✓(4)	✓(4)	✓(4)	✓(4)	-	-	-	-
NAVIGATOR	2010-2012	✓(3)	✓(3)	✓(3)	✓(3)	N(1/3)	✓(3)	N(1/3)	✓(3)	✓(3)	✓(3)	✓(3)	✓(3)	-	-	-	-
ND19119-5	2009-2010	✓(2)	✓(2)	✓(2)	✓(2)	N(1/2)	✓(2)	N(1/2)	✓(2)	✓(2)	✓(2)	N(1/2)	✓(2)	-	-	-	-
OXFORD	2009-2012	N(1/4)	N(1/4)	✓(4)	✓(4)	N(1/4)	✓(4)	N(1/4)	✓(4)	✓(4)	N(2/4)	✓(4)	✓(4)	-	-	-	-
SCHOONER	2008-2012	✓(5)	N(2/5)	N(1/5)	N(1/5)	N(3/5)	✓(4)	N(1/5)	✓(4)	✓(5)	N(1/5)	N(2/5)	✓(5)	✓(1)	N(1/1)	-	-
SCOPE	2010-2012	✓(3)	N(1/3)	N(1/3)	✓(3)	N(1/3)	N(1/3)	N(1/3)	✓(3)	✓(3)	✓(3)	N(2/3)	✓(3)	-	-	-	-
SHEPHERD	2010-2012	✓(3)	N(1/3)	✓(3)	✓(3)	N(1/3)	✓(3)	N(1/3)	✓(3)	✓(3)	N(2/3)	N(2/3)	✓(3)	-	-	-	-
SKIPPER	2010-2012	N(1/2)	N(1/2)	✓(2)	✓(2)	N(1/2)	✓(2)	N(1/2)	✓(2)	✓(2)	✓(2)	✓(2)	N(1/2)	-	-	-	-
SMBA10-2324	2012	N(1/1)	✓(1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
SMBA11-1771	2012	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	N(1/1)	N(1/1)	-	-	-	-
SMBA11-2341	2012	N(1/1)	✓(1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
SMBA12-1361	2013	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
SMBA12-2297	2013	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
SY RATTLER	2012	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	-	-	-	-
SYN 8111-11A	2012	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
SYN0653-6	2010	✓(1)	N(1/1)	N(1/1)	✓(1)	N(1/1)	✓(1)	N(1/1)	✓(1)	✓(1)	N(1/1)	✓(1)	✓(1)	-	-	-	-
SYN0937-5	2010	✓(1)	✓(1)	✓(1)	✓(1)	N(1/1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
T1623	2009	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
TANTANGARRA	2009-2012	✓(3)	✓(3)	✓(3)	N(1/3)	N(1/3)	✓(3)	✓(3)	✓(3)	N(1/3)	✓(3)	N(1/3)	✓(3)	-	-	-	-
TULLA	2010	✓(1)	N(1/1)	✓(1)	✓(1)	N(1/1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
URAMBIE	2008-2012	✓(5)	N(2/5)	✓(5)	N(1/5)	N(1/5)	✓(4)	N(2/5)	N(1/4)	✓(5)	✓(5)	N(1/5)	✓(5)	✓(1)	N(1/1)	-	-
VB0611	2011	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-	-	-
VB0613	2010	✓(1)	N(1/1)	N(1/1)	✓(1)	N(1/1)	✓(1)	N(1/1)	✓(1)	✓(1)	✓(1)	N(1/1)	✓(1)	-	-	-	-
VLAMINGH	2008-2012	✓(5)	N(2/5)	N(3/5)	N(1/5)	N(2/5)	N(1/4)	N(3/5)	N(2/4)	N(2/5)	N(2/5)	N(2/5)	✓(5)	✓(1)	✓(1)	-	-
WABAR2482	2009	✓(1)	✓(1)	N(1/1)	N(1/1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	N(1/1)	N(1/1)	N(1/1)	-	-	-	-
WESTMINSTER	2011-2012	N(1/2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	-	-	-	-
WI4446	2010-2011	✓(2)	N(1/2)	N(1/2)	✓(2)	N(1/2)	✓(2)	N(1/2)	N(1/2)	✓(2)	✓(2)	N(1/2)	✓(2)	-	-	-	-
WIMMERA	2010-2012	N(2/3)	N(1/3)	N(1/3)	N(1/3)	✓(3)	N(1/3)	N(1/3)	N(1/3)	N(1/3)	N(2/3)	N(1/3)	N(2/3)	-	-	-	-
YARRA	2008-2012	N(1/4)	N(1/4)	N(1/4)	✓(4)	N(1/4)	✓(3)	N(2/4)	✓(3)	N(1/4)	N(1/4)	N(2/4)	✓(4)	✓(1)	✓(1)	-	-
Rates (product/ha)		3.0 L	0.76 kg	3.0 L	4.0 L	10 g	1.5 L	40-50 g	500 ml	1.5 L	3.0L	3.4 L	2.0L	2.2L	1.7L	5.0L	10g + 660ml
Crop stage at spraying		IBS	3-leaf	3-leaf	3-leaf	3-leaf	3-leaf	3-leaf	3-leaf	5-leaf	5-leaf	5-leaf	5-leaf	5 leaf	5-leaf	IBS	3-leaf

Preliminary Evaluation Barley variety response to herbicides in NSW 2008-2015

In 2008-2015 NVT retention lines and other selected cultivars were screened in preliminary trials

The sensitivity of the variety compared to unsprayed controls of the same 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
- N (w/Z) narrow margin % yield reductions at higher than recommended rate, but not tested at recommended rate. Significant event

Always follow label recommendations. All pesticide applications must accord with the currently registered label forthat 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.

Research site manager: ***Hanwen Wu***

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Research site location: *Wagga Wagga, New South Wales*

Site soil type : Red Brown earth

Site pH (CaCl2) : 0-10 cm pH 5.1, 10-20 cm pH 4.5.

Site annual rainfall in 2015: *587.3 mm*

Site annual average rainfall: *526.9 mm*

Updated: March 2016

NSW GOVERNMENT Department of Primary Industries

GRDC Grains Research & Development Corporation

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

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