

Herbicide		TriflurX® 480	AchieveWG®	Tristar Advance®	Bromoxynil	Ally®	Hotshot®	Glean®	Axial®	Tigrex®	Amicide 700	Banvel M®	Tordon 242®	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	S-Metolachlor	Metsulfuron methyl + MCPA amine
Variety	Years tested	2010-2015	2010-2014	2010-2015	2010-2015	2010-2014	2010-2015	2010-2015	2010-2015	2010-2015	2010-2015	2010-2015	2010-2015	2015	2015
ALESTAR	2013-2015	✓(3)	✓(2)	✓(3)	✓(3)	✓(2)	N(1/3)	19(1/3)	✓(3)	✓(3)	9(1/3)	✓(3)	✓(3)	N(1/1)	7(1/1)
BASS	2010-2013	N(1/2)	✓(3)	✓(4)	-	✓(3)	-	✓(3)	-	-	✓(3)	N(1/4)	-	-	-
BAUDIN	2010-2013	✓(2)	-	✓(3)	✓(2)	✓(3)	-	✓(2)	-	-	✓(3)	✓(2)	-	-	-
BULOKE	2010-2012	✓(3)	✓(3)	N(1/3)	✓(3)	✓(3)	-	✓(2)	✓(3)	-	✓(3)	✓(3)	7(1/3)	-	-
CA04053-099	2014-2015	✓(2)	✓(1)	N(1/2)	✓(2)	✓(1)	✓(2)	17(1/2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(1)	N(1/1)
CAPSTAN	2010-2013	-	-	-	✓(3)	N(1/3)	-	11(1/2)	✓(2)	10-10(2/3)	✓(3)	21(1/3)	-	-	-
CARL#1238	2011	-	✓(1)	✓(1)	-	✓(1)	-	✓(1)	-	-	-	-	-	-	-
CHARGER	2012-2014	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(3)	✓(3)	✓(2)	✓(3)	N(1/3)	✓(2)	-	-
COMMANDER	2010-2012	✓(3)	✓(2)	-	✓(4)	11-11(2/4)	-	19-21(2/4)	-	9(1/3)	✓(4)	✓(4)	11-12(2/4)	-	-
COMPASS	2014-2015	✓(2)	✓(1)	✓(2)	6(1/2)	N(1/1)	✓(2)	11(1/2)	✓(2)	✓(2)	N(1/2)	N(1/2)	N(1/2)	✓(1)	✓(1)
COWABBIE	2011-2014	✓(2)	✓(2)	✓(2)	✓(3)	✓(3)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(3)	✓(3)	-	-
FAIRVIEW	2011-2013	-	✓(2)	✓(2)	-	-	-	✓(2)	✓(2)	✓(2)	✓(2)	-	-	-	-
FATHOM	2012-2014	✓(3)	✓(3)	✓(2)	✓(2)	✓(2)	✓(3)	13(1/3)	✓(3)	✓(3)	✓(2)	8(1/3)	✓(2)	-	-
FINNISS	2011-2012	-	✓(2)	-	-	✓(2)	-	✓(2)	✓(2)	-	-	N(1/2)	-	-	-
FLAGSHIP	2010-2013	✓(1)	N(1/2)	✓(1)	-	✓(3)	-	✓(2)	✓(2)	-	-	✓(2)	-	-	-
FLEET	2010-2013	✓(1)	✓(2)	8(1/2)	✓(3)	N(1/3)	8(1/3)	36(1/3)	✓(2)	13(1/3)	N(1/3)	✓(3)	-	-	-
FLINDERS	2012-2014	✓(3)	✓(2)	✓(2)	✓(2)	10(1/2)	✓(2)	✓(2)	9(1/2)	✓(2)	✓(2)	✓(2)	✓(2)	-	-
GAIRDNER	2010-2013	✓(4)	9(1/2)	✓(3)	N(1/2)	✓(3)	N(1/3)	✓(3)	15(1/3)	-	✓(1)	13(1/3)	✓(4)	-	-
GRANGER	2013-2015	10(1/3)	✓(2)	✓(3)	18(1/3)	✓(2)	✓(3)	7(1/3)	✓(3)	✓(3)	✓(3)	✓(3)	✓(3)	✓(1)	✓(1)
HANNAN	2010-2013	10(1/3)	-	-	-	✓(3)	-	✓(2)	-	14(1/2)	-	17(1/2)	-	-	-
HENLEY	2012-2014	✓(3)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(3)	11(1/3)	✓(2)	-	-
HINDMARSH	2010-2013	✓(4)	✓(3)	✓(2)	✓(4)	20(1/3)	N(1/4)	✓(3)	✓(4)	10-12(2/4)	✓(4)	N(1/3)	✓(2)	-	-
LA TROBE	2013-2015	N(1/3)	✓(2)	✓(3)	✓(3)	✓(2)	N(1/3)	10(1/3)	✓(3)	✓(3)	N(1/3)	✓(3)	✓(3)	N(1/1)	N(1/1)
MACQUARIE	2011-2013	✓(2)	✓(2)	-	-	✓(2)	9(1/2)	✓(2)	✓(2)	-	-	-	-	-	-
MALSTAR	2013-2015	✓(3)	✓(2)	✓(3)	✓(3)	✓(2)	✓(3)	13(1/3)	✓(3)	✓(3)	N(1/3)	✓(3)	✓(3)	✓(1)	7(1/1)
NAVIGATOR	2011-2013	✓(2)	✓(2)	-	✓(2)	10(1/2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	-	-	-
ND19119-5	2010	-	-	✓(1)	-	-	-	-	-	-	✓(1)	✓(1)	-	-	-
OXFORD	2011-2012	-	✓(2)	-	-	✓(2)	-	✓(2)	-	-	✓(2)	-	-	-	-
SCHOONER	2010-2013	✓(2)	✓(4)	N(1/4)	✓(4)	15(1/4)	✓(4)	38(1/4)	✓(4)	N(1/2)	✓(4)	15(1/4)	✓(4)	-	-
SCOPE	2011-2013	-	✓(2)	✓(2)	-	9(1/2)	✓(2)	10(1/2)	-	-	-	✓(2)	-	-	-
SHEPHERD	2011-2013	-	✓(2)	-	-	10(1/2)	-	✓(2)	-	-	✓(2)	N(2/2)	✓(1)	-	-
SKIPPER	2011-2014	✓(3)	✓(4)	✓(4)	✓(3)	24(1/4)	8(1/3)	9(1/4)	7(1/4)	✓(3)	✓(3)	✓(4)	N(1/2)	-	-
SMBA12-1361	2014-2015	✓(2)	✓(1)	N(1/2)	✓(2)	✓(1)	✓(2)	9(1/2)	8(1/2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(1)	✓(1)
SMBA12-2297	2014-2015	✓(2)	✓(1)	✓(2)	✓(2)	✓(1)	✓(2)	14(1/2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(1)	✓(1)
SY-RATTLER	2013-2015	✓(3)	✓(2)	✓(3)	✓(3)	✓(2)	✓(3)	N(1/3)	✓(3)	✓(3)	N(1/3)	✓(3)	✓(3)	8(1/1)	N(1/1)
TANTANGARRA	2010-2011	-	-	-	✓(1)	✓(1)	-	✓(1)	-	-	-	N(1/2)	-	-	-
URAMBIE	2010-2012	-	✓(3)	-	✓(3)	✓(2)	-	13(1/2)	✓(2)	-	-	N(1/3)	-	-	-
VLAMINGH	2010-2012	-	✓(3)	N(1/3)	✓(3)	✓(3)	✓(3)	24(1/3)	14(1/3)	✓(3)	✓(3)	✓(3)	-	-	-
WESTMINSTER	2012-2014	✓(3)	✓(2)	✓(2)	✓(2)	✓(2)	✓(2)	✓(3)	✓(2)	✓(2)	✓(2)	15(1/3)	✓(2)	-	-
WIMMERA	2011-2013	✓(2)	✓(3)	-	-	✓(1)	-	✓(3)	-	-	✓(3)	-	✓(2)	-	-
YARRA	2010	-	-	-	-	-	-	-	-	-	-	✓(1)	-	-	-
Rates (product/ha)		1.5 L	0.38 kg	1.5 L	2.0 L	5 g	750 ml	20–25 g	250 ml	0.75 L	1.5L	1.7 L	1.0L	2.5L	5g + 330ml
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	IBS	3-leaf

Advanced and New Variety Evaluation - Barley variety response to herbicides in NSW 2010-2015

Advanced and New Variety Evaluation trials test NVT retention lines and other selected cultivars at recommended and higher than recommended rates. Preliminary evaluation entries from previous years that have experienced narrow margin % yield reductions at higher than recommended rate are 'Advanced' to these trials for closer

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 only tested at higher than recommended rate (Please check Preliminary Evaluation tables)
✓	no significant yield reductions at higher than recommended rates in (Z) trials
N	(narrow margin) significant yield reductions at higher than recommended rate in 1+ trials ONLY
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 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.

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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



Department of
Primary Industries



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*

ACAS seeks to avoid putting information regarding unregistered pesticides or unregistered use of pesticides on this website. However it is possible that occasionally ACAS may unintentionally include such information.

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