

Wheat cultivars response to herbicides in the Northern Region 1999-2015

This research has been conducted across the Northern Region 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
✓	no significant yield reductions at recommended rates or higher than recommended rates in (x) 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	Cultivar	Years tested	Achieve WG	Ally		Ally + MCPA 500/570		Ally + Tordon 242		Amicide 500/625/700		Atlantis		Atlantis OD			
				traikoxymid		metsulfuron-methyl		metsulfuron + MCPA LVE		metsulfuron + (picloram + MCPA LVE)		24D amine		mesosulfuron		mesosulfuron	
				1999-2004-2005, 2006-2009	1999-2015	2004-2005, 2007, 2008-2011, 2012	2010-2011	1999-2003, 2005-2006	2003-2007	2007-2011, 2015							
Sites	ABE	ABCDE	CDE	DE	ABCE	ABDE	ABDE										
Batavia 2	1999-2002	ABCDE	N (1/1)	18 (1/3)	-	-	✓(4)	-	-								
Baxter	1999-2012	ABCDE	✓(1)	N (1/4)	✓(1)	-	N (3/7)	✓(4)	N (1/2)								
Braewood	2002-2003	A	-	✓(2)	-	-	N (1/2)	-	-								
Caparoi	2007-2011	BCDE	✓(1)	N (2/5)	N (2/3)	N (2/3)	✓(3)	-	-								
Carinya	2006-2008	BCDE	-	✓(3)	✓(1)	-	✓(1)	✓(1)	✓(1)								
Condo	2013-2015	D	-	✓(1)	-	-	-	-	✓(1)								
Cunningham	1999-2004	ABCD	✓(1)	16-21 (2/5)	✓(1)	-	✓(4)	✓(2)	-								
DBA Aurora	2012-2015	D	-	14 (2/3)	N (1/2)	-	✓(1)	-	✓(2)								
EGA Bellaroi	2002-2008, 2011-2012	ABCDE	✓(3)	N (1/5)	9 (1/3)	✓(1)	✓(5)	N (1/3)	9 (1/2)								
EGA Bounty	2008-2010	ABDE	✓(1)	12 (1/4)	-	-	✓(2)	-	✓(2)								
EGA Burke	2006-2011	ABDE	✓(1)	N (1/6)	✓(3)	✓(2)	24 (1/4)	✓(1)	✓(2)								
EGA Eaglehawk	2011	BD	-	13 (1/1)	-	-	✓(1)	-	10 (1/1)								
EGA Gregory	2004-2012	ABDE	✓(3)	N (2/7)	N (1/3)	✓(1)	N (1/5)	✓(1)	✓(1)								
EGA Hume	2002-2005, 2007-2008	ABDE	✓(3)	✓(4)	✓(1)	-	N (1/3)	✓(4)	✓(2)								
EGA Kidman	2008-2010	BDE	✓(1)	✓(2)	-	-	✓(2)	-	-								
EGA Stampede	2006-2009	ABCDE	-	✓(5)	-	-	N (1/3)	-	✓(1)								
EGA Wentworth	2005-2008	BCDE	✓(2)	N (1/4)	✓(2)	-	✓(2)	✓(1)	✓(1)								
EGA Wills	2006-2009	ABCDE	-	✓(4)	-	-	✓(3)	-	✓(1)								
EGA Wylie	2004-2008	BCDE	✓(3)	N (3/4)	✓(2)	-	N (1/2)	✓(1)	✓(1)								
Ellison	2002-2008	ABCDE	✓(3)	8 (1/6)	✓(2)	-	N (2/4)	✓(2)	✓(1)								
Elmore CL Plus	2012, 2014	D	-	✓(2)	✓(1)	-	-	-	✓(1)								
Gascoigne	2012	D	-	12 (1/1)	-	-	-	-	-								
GBA Combat	2004	B	✓(1)	✓(1)	-	-	-	-	-								
GBA Hunter	2005-2009	ABCDE	✓(2)	✓(4)	-	-	✓(1)	-	N (1/2)								
GBA Ruby	2008-2010	AD	-	8 (1/3)	-	-	9 (1/1)	-	✓(2)								
GBA Sapphire	2004-2005, 2007-2008	BDE	✓(3)	✓(3)	✓(1)	-	-	✓(1)	N (1/1)								
Giles	1999-2006	ABCDE	✓(1)	18-21 (2/5)	✓(1)	-	N (1/4)	✓(4)	-								
Hartog	1999-2005	ABCDE	✓(1)	N (1/6)	✓(1)	-	9 (1/5)	✓(4)	-								
Hybrid Mercury	1999	A	✓(1)	26 (1/1)	-	-	✓(1)	-	-								
Hypemo	2010-2011	BD	-	12 (1/2)	4 (1/2)	N (1/2)	-	-	✓(1)								
Jandaroi	2006-2015	ABDE	-	8-24 (4/9)	5-8 (2/4)	N (2/3)	✓(2)	✓(1)	N (1/4)								
Janz	1999-2001, 2008-2012	ABCDE	✓(7)	7-10 (2/10)	-	-	N (1/10)	-	-								
Kamilaroi	1999-2004	ABCD	✓(1)	N (2/4)	✓(1)	-	✓(4)	15 (1/2)	-								
Kennedy	1999-2012	ABCDE	✓(1)	N (1/10)	✓(2)	-	N (1/11)	✓(5)	N (1/3)								
Kiora	2014-2015	D	-	✓(2)	✓(1)	-	-	-	✓(2)								
Lang	2000-2012	ABCDE	✓(2)	8 (1/7)	N (3/5)	N (1/3)	N (1/8)	✓(4)	✓(2)								
Leichhardt	1999-2004	ABCD	✓(1)	✓(4)	✓(1)	-	N (1/4)	✓(2)	-								
Livingston	2007-2009	ACDE	-	9 (1/4)	-	-	✓(2)	-	✓(1)								
LRPB Beaufort	2009-2010	BE	✓(1)	✓(1)	-	-	✓(1)	-	-								
LRPB Crusader	2008-2009, 2011	ABDE	✓(1)	✓(3)	3-7 (2/2)	N (1/2)	17 (1/3)	-	✓(1)								
LRPB Dakota	2008-2009	ADE	✓(1)	✓(3)	-	-	✓(2)	-	✓(1)								
LRPB Dart	2012-2013	D	-	12 (1/2)	✓(1)	-	✓(1)	-	-								
LRPB Gauntlet	2012-2013	D	-	13 (1/2)	13 (1/1)	-	13 (1/1)	-	-								
LRPB Gazelle	2012	D	-	15 (1/1)	-	-	-	-	-								
LRPB Hornet	2008-2009	DE	✓(1)	✓(2)	-	-	✓(2)	-	-								
LRPB Impala	2011	BD	-	15 (1/1)	-	-	✓(1)	-	9 (1/1)								
LRPB Lancer	2013-2015	D	-	7 (2/3)	N (1/2)	-	N (1/1)	-	N (1/2)								
LRPB Lincoln	2010-2011	B	-	-	12 (1/2)	N (1/2)	-	-	N (1/1)								
LRPB Merlin	2012-13	D	-	17 (1/2)	16 (1/1)	-	✓(1)	-	-								
LRPB Orion	2011	BD	-	16 (1/1)	-	-	✓(1)	-	✓(1)								
LRPB Spitfire	2011-2012	BD	-	16 (1/2)	-	-	✓(1)	-	N (1/1)								
LRPB Viking	2013-2015	D	-	✓(1)	-	-	-	-	✓(1)								
Merinda	2006-2009	ABCDE	-	✓(5)	-	-	✓(3)	-	✓(1)								
Mitch	2012-2015	D	-	14 (2/3)	✓(2)	-	✓(1)	-	N (1/2)								
Pelsart	1999	A	✓(1)	N (1/1)	-	-	✓(1)	-	-								
Petrie	2000-2008	ABCDE	✓(2)	7-11 (2/5)	✓(2)	-	✓(5)	✓(4)	N (1/2)								
QALBis	2002-2004	AB	✓(1)	12-14 (2/3)	-	-	N (1/2)	-	-								
Rees	2004-2008	BCDE	✓(3)	11 (1/3)	N (1/1)	-	N (2/2)	✓(2)	-								
Sentinel	2009-2011	BDE	✓(1)	✓(1)	N (1/2)	N (1/2)	✓(1)	-	-								
Strzelecki	2000-2005, 2009-2012	ABCDE	✓(2)	N (1/5)	✓(2)	-	N (1/8)	✓(4)	-								
Sunbri	1999-2003	ABCD	✓(1)	N (1/4)	-	-	✓(4)	✓(1)	-								
Sunbrook	1999-2003	ABCD	✓(1)	N (1/4)	-	-	✓(4)	✓(1)	-								
Sunco	1999-2012	ABCDE	✓(1)	17 (1/5)	✓(1)	-	✓(7)	✓(4)	N (1/2)								
Sunguard	2010-2011	D	-	6 (1/2)	-	-	✓(1)	-	✓(2)								
Sunlin	1999-2012	ABCDE	✓(1)	✓(4)	✓(1)	-	N (2/6)	✓(4)	14 (1/2)								
Sunmate	2013-2015	D	-	✓(1)	-	-	-	-	✓(1)								
Sunsoft 98	2010	B	-	-	-	-	-	-	-								
Sunstate	1999-2005	ABCDE	✓(1)	✓(4)	✓(1)	-	N (1/4)	✓(4)	-								
Suntop	2012-13	D	-	16 (1/2)	✓(1)	-	✓(1)	-	-								
Sunvale	1999-2012	ABCDE	✓(1)	N (2/4)	✓(1)	-	✓(7)	✓(4)	8 (1/2)								
Sunvex	2007-2009	ACD	-	✓(3)	-	-	✓(2)	-	✓(1)								
Sunzell	2006-2008	BDE	-	N (1/4)	N (1/1)	-	✓(2)	✓(1)	N (1/1)								
Tijlkuri	2011	B	-	-	-	-	✓(1)	-	✓(1)								
Ventura	2002-2012	ABCDE	✓(3)	6-10 (2/7)	N (2/3)	N (1/2)	N (3/6)	✓(1)	N (1/1)								
Wallup	2012	D	-	N (1/1)	-	-	-	-	-								
WID802	2010	D	-	✓(1)	-	-	-	-	✓(1)								
Wollaroi	1999-2002 2004-2008	ABCDE	✓(1)	N (1/3)	✓(1)	-	✓(4)	✓(3)	N (1/2)								
Yallaroi	1999-2006	ABCDE	✓(1)	18 (1/4)	✓(1)	-	✓(4)	✓(4)	-								

Yawa	2010-2011	D	-	-	-	-	-	-	-	✓(2)
Zebu	2010-2011	D	-	12-18 (2/2)	-	-	-	-	-	✓(1)
Zulu	201002011	D	-	7 (1/1)	-	-	-	-	-	-
Rates (product/ha)			380-430g	7g	Ally 7g MCPA 0.65/0.75L	Ally 7g Tordon 242 1L	500 0.85L 625 0.65L 700 1.5L	330mL	330mL	
Crop stage at spraying			3-5 leaf + 1-2 tiller	3-7 leaf + 1-6 tiller	4-7 leaf + 2-6 tiller	4-5 leaf + 2-3 tiller	4-7 leaf + 3-5 tiller	2-7 leaf + 1-7 tiller	3-5 leaf + 1-3 tiller	

Herbicide		Axial 100EC	Boxer Gold	Broadside	Bromicide MA	Bromicide 200	Cadence	Conclude	
Cultivar		pinoxaden	metolachlor + prosuflcarb	MCPA+dicamba+bro moxynil	bromoxynil + MCPA	bromoxynil	dicamba	florasulam	
Years tested		2001-2003, 2009- 2015	2005-2006	2004	2003-2004	2000-2003	2000-2003, 2005- 2006, 2009	2009-2010	
Sites		AB	DE	D	AD	AD	ABCD	B	
Batavia 2	1999-2002	ABCDE	22 (1/2)	-	-	-	N (1/3)	N (1/3)	-
Baxter	1999-2012	ABCDE	✓(4)	✓(2)	✓(1)	N (1/2)	28 (1/4)	N (1/3)	✓(2)
Braewood	2002-2003	A	-	-	-	-	18 (1/2)	-	-
Caparoi	2007-2011	BCDE	-	-	-	-	-	-	-
Carinya	2006-2008	BCDE	-	✓(1)	-	-	✓(1)	-	-
Condo	2013-2015	D	-	-	-	-	-	-	-
Cunningham	1999-2004	ABCD	✓(3)	-	✓(1)	N (1/2)	✓(4)	N (1/3)	-
DBA Aurora	2012-2015	D	-	-	-	-	-	-	-
EGA Bellaroi	2002-2008, 2011-2012	ABCDE	✓(1)	✓(2)	✓(1)	✓(1)	-	✓(4)	-
EGA Bounty	2008-2010	ABDE	✓(1)	-	-	-	N (1/1)	-	-
EGA Burke	2006-2011	ABDE	-	-	-	-	-	-	✓(2)
EGA Eaglehawk	2011	BD	✓(1)	-	-	-	-	-	-
EGA Gregory	2004-2012	ABDE	✓(1)	✓(1)	-	-	N (1/3)	N (1/2)	-
EGA Hume	2002-2005, 2007-2008	ABDE	✓(2)	✓(1)	✓(1)	✓(2)	✓(1)	N (1/3)	-
EGA Kidman	2008-2010	BDE	-	-	-	-	-	-	-
EGA Stampede	2006-2009	ABCDE	✓(1)	-	-	-	N (1/1)	-	-
EGA Wentworth	2005-2008	BCDE	-	✓(1)	-	-	N (1/2)	-	-
EGA Wills	2006-2009	ABCDE	✓(1)	-	-	-	✓(1)	-	-
EGA Wylie	2004-2008	BCDE	-	✓(1)	-	-	✓(2)	-	-
Ellison	2002-2008	ABCDE	✓(1)	✓(2)	-	-	23 (1/4)	-	-
Elmore CL Plus	2012, 2014	D	-	-	-	-	-	-	-
Gascoigne	2012	D	-	-	-	-	-	-	-
GBA Combat	2004	B	-	-	-	-	-	-	-
GBA Hunter	2005-2009	ABCDE	✓(1)	✓(1)	-	-	16 (1/3)	-	-
GBA Ruby	2008-2010	AD	✓(1)	-	-	-	✓(1)	-	-
GBA Sapphire	2004-2005, 2007-2008	BDE	-	-	-	-	✓(1)	-	-
Giles	1999-2006	ABCDE	N (1/4)	N (1/2)	12 (1/1)	✓(2)	✓(4)	✓(3)	-
Hartog	1999-2005	ABCDE	✓(4)	✓(1)	N (1/1)	N (1/2)	✓(4)	37 (1/4)	-
Hybrid Mercury	1999	A	-	-	-	-	-	-	-
Hyperno	2010-2011	BD	-	-	-	-	-	-	-
Jandaroi	2006-2015	ABDE	✓(1)	-	-	-	N (1/1)	-	-
Janz	1999-2001, 2008-2012	ABCDE	N (1/1)	-	-	-	✓(2)	N (1/2)	-
Kamilaroi	1999-2004	ABCD	✓(3)	-	✓(1)	✓(2)	✓(4)	✓(3)	-
Kennedy	1999-2012	ABCDE	✓(4)	✓(3)	✓(1)	N (1/2)	N (1/4)	N (2/4)	N (1/2)
Kiora	2013-2015	D	-	-	-	-	-	-	-
Lang	2000-2012	ABCDE	✓(4)	✓(2)	✓(1)	✓(2)	✓(4)	✓(5)	6 (1/2)
Leichhardt	1999-2004	ABCD	N (1/3)	-	✓(1)	✓(2)	N (1/4)	36 (1/3)	-
Livingston	2007-2009	ACDE	✓(1)	-	-	-	✓(1)	-	-
LRPB Beaufort	2009-2010	BE	-	-	-	-	-	-	-
LRPB Crusader	2008-2009, 2011	ABDE	✓(2)	-	-	-	28 (1/1)	-	-
LRPB Dakota	2008-2009	ADE	N (1/1)	-	-	-	N (1/1)	-	-
LRPB Dart	2012-2013	D	-	-	-	-	-	-	-
LRPB Gauntlet	2012-2013	D	-	-	-	-	-	-	-
LRPB Gazelle	2012	D	-	-	-	-	-	-	-
LRPB Hornet	2008-2009	DE	-	-	-	-	-	-	-
LRPB Impala	2011	BD	✓(1)	-	-	-	-	-	-
LRPB Lancer	2013-2014	D	-	-	-	-	-	-	-
LRPB Lincoln	2010-2011	B	-	-	-	-	-	-	-
LRPB Merlin	2012-13	D	-	-	-	-	-	-	-
LRPB Orion	2011	BD	✓(1)	-	-	-	-	-	-
LRPB Spitfire	2011-2012	BD	✓(1)	-	-	-	-	-	-
LRPB Viking	2013-2015	D	-	-	-	-	-	-	-
Merinda	2006-2009	ABCDE	✓(1)	-	-	-	N (1/1)	-	-
Mitch	2012-2015	D	-	-	-	-	-	-	-
Pelsart	1999	A	-	-	-	-	-	-	-
Petrie	2000-2008	ABCDE	✓(4)	✓(2)	✓(1)	✓(2)	✓(4)	N (1/5)	-
QALBis	2002-2004	AB	-	-	-	-	-	N (1/2)	-
Rees	2004-2008	BCDE	✓(1)	✓(2)	-	-	-	N (1/2)	-
Sentinel	2009-2011	BDE	-	-	-	-	-	-	-
Strzelecki	2000-2005, 2009-2012	ABCDE	✓(4)	✓(1)	✓(1)	N (1/2)	N (1/4)	38 (1/5)	✓(2)
Sunbri	1999-2003	ABCD	✓(3)	-	-	✓(1)	✓(4)	✓(3)	-
Sunbrook	1999-2003	ABCD	✓(3)	-	-	✓(1)	✓(4)	✓(3)	-
Sunco	1999-2012	ABCDE	✓(4)	✓(2)	12 (1/1)	✓(2)	✓(4)	✓(3)	N (1/2)
Sunguard	2010-2011	D	✓(1)	-	-	-	-	-	-
Sunlin	1999-2012	ABCDE	✓(4)	✓(2)	✓(1)	✓(2)	✓(4)	✓(3)	✓(2)
Sunmate	2013-2015	D	-	-	-	-	-	-	-
Sunsoft 98	2010	B	-	-	-	-	-	-	-
Sunstate	1999-2005	ABCDE	✓(4)	✓(1)	10 (1/1)	✓(2)	✓(4)	38 (1/3)	-
Suntop	2012-13	D	-	-	-	-	-	-	-
Sunvale	1999-2012	ABCDE	N (1/4)	✓(2)	✓(1)	✓(2)	✓(4)	✓(3)	✓(2)
Sunvex	2007-2009	ACD	✓(1)	-	-	-	-	30 (1/1)	-
Sunzell	2006-2008	BDE	-	-	-	-	-	-	-
Tjikuri	2011	B	-	-	-	-	-	-	-
Ventura	2002-2012	ABCDE	-	✓(1)	-	-	-	13 (1/4)	✓(2)
Wallup	2012	D	-	-	-	-	-	-	-
WID802	2010	D	-	-	-	-	-	-	-
Wollaroi	1999-2002 2004-2008	ABCDE	✓(3)	✓(2)	8 (1/1)	N (1/1)	✓(3)	✓(3)	-

Yallaroi	1999-2006	ABCDE	✓(4)	✓(2)	✓(1)	✓(2)	29 (1/4)	23 (1/3)	-
Yawa	2010-2011	D	-	-	-	-	-	-	-
Zebu	2010-2011	D	✓(1)	-	-	-	-	-	-
Zulu	201002011	D	✓(1)	-	-	-	-	-	-
Rates (product/ha)			150-200mL	2.5L	1.0L	1.4L	1.4L	200g	700mL
Crop stage at spraying			3-5 leaf + 1-2 tiller	Pre-plant IBS	6-7 leaf + 3-4 tiller	6-7 leaf + 3-5 tiller	4-7 leaf + 3-7 tiller	3-6 leaf + 1-5 tiller	4-5 leaf + 1-2 tiller

Wollaroi	1999-2002 2004-2008	ABCDE	10 (1/2)	6 (1/1)	✓(1)	N (1/1)	✓(3)	-	✓(3)
Yallaroi	1999-2006	ABCDE	8 (1/2)	N (1/1)	✓(1)	N (1/1)	✓(3)	-	✓(4)
Yawa	2010-2011	D	-	-	-	-	-	-	-
Zebu	2010-2011	D	-	-	-	-	-	N (1/2)	-
Zulu	201002011	D	-	-	-	-	-	✓(1)	-
Rates (product/ha)			0.5L	0.5L+0.5L	0.5L+0.5L	0.5L +0.5L+0.5L	20g	20g	0.75L
Crop stage at spraying			3-5leaf + 1-3 tiller	5 leaf + 2-4 tiller	5 leaf + 2-4 tiller	5 leaf + 2-4 tiller	Pre-plant	3-7 leaf + 1-6 tiller	5-7 leaf + 3-7 tiller

Herbicide	Cultivar	Years tested	Sites	Hussar	Hussar OD	Logran	Logran B-power	Mataven 90	Mataven 90 (SST)	MCPA 500
				iodosulfuron	iodosulfuron	triasulfuron	butafenacil + triasulfuron	flamprop	flamprop	MCPA amine
				2001-2002, 2004-	2005-2015	1999-2001	2002	2003-2006	2000, 2002-2005, 2002-2003, 2005	
		ABDE	ABDE	AB	A	ABD	AB	AB		
Batavia 2	1999-2002	ABCDE	14 (1/2)	-	✓(3)	N (1/1)	-	✓(1)	-	
Baxter	1999-2012	ABCDE	11 (1/7)	N (1/4)	✓(3)	✓(1)	✓(3)	N (3/4)	-	
Braewood	2002-2003	A	-	-	-	-	-	-	✓(2)	
Caparoi	2007-2011	BCDE	-	-	-	-	-	-	-	
Carinya	2006-2008	BCDE	✓(1)	✓(2)	-	-	✓(1)	N (1/1)	-	
Condo	2013-2015	D	-	✓(1)	-	-	-	-	-	
Cunningham	1999-2004	ABCD	N (2/3)	-	N (1/3)	N (1/1)	✓(2)	14 (1/3)	-	
DBA Aurora	2012-2015	D	-	✓(1)	-	-	-	-	-	
EGA Bellaroi	2002-2008, 2011-2012	ABCDE	N (1/5)	11 (1/4)	-	-	✓(3)	✓(3)	✓(3)	
EGA Bounty	2008-2010	ABDE	-	✓(2)	-	-	-	-	-	
EGA Burke	2006-2011	ABDE	✓(1)	N (1/2)	-	-	-	N (1/1)	-	
EGA Eaglehawk	2011	BD	-	✓(1)	-	-	-	-	-	
EGA Gregory	2004-2012	ABDE	✓(3)	N (1/4)	-	-	✓(1)	N (1/2)	✓(1)	
EGA Hume	2002-2005, 2007-2008	ABDE	✓(4)	14 (1/3)	-	-	N (1/3)	N (1/4)	✓(3)	
EGA Kidman	2008-2010	BDE	-	-	-	-	-	-	-	
EGA Stampede	2006-2009	ABCDE	-	✓(1)	-	-	-	-	-	
EGA Wentworth	2005-2008	BCDE	✓(2)	✓(2)	-	-	✓(1)	✓(1)	✓(1)	
EGA Wills	2006-2009	ABCDE	-	✓(1)	-	-	-	-	-	
EGA Wylie	2004-2008	BCDE	✓(2)	✓(2)	-	-	✓(1)	9-13 (2/2)	N (1/1)	
Ellison	2002-2008	ABCDE	N (1/4)	12 (1/3)	-	-	N (1/2)	14-21 (4/5)	✓(3)	
Elmore CL Plus	2012, 2014	D	-	✓(1)	-	-	-	-	-	
Gascolgne	2012	D	-	✓(1)	-	-	-	-	-	
GBA Combat	2004	B	-	-	-	-	-	N (1/1)	-	
GBA Hunter	2005-2009	ABCDE	-	12 (1/3)	-	-	✓(1)	13 (1/1)	✓(1)	
GBA Ruby	2008-2010	AD	-	✓(2)	-	-	-	-	-	
GBA Sapphire	2004-2005, 2007-2008	BDE	✓(1)	N (1/1)	-	-	-	N (1/2)	✓(1)	
Giles	1999-2006	ABCDE	N (1/6)	✓(2)	✓(3)	N (1/1)	✓(3)	N (1/5)	-	
Hartog	1999-2005	ABCDE	6 (1/5)	✓(1)	✓(3)	✓(1)	7 (1/3)	N (3/5)	✓(1)	
Hybrid Mercury	1999	A	-	-	✓(1)	-	-	-	-	
Hypemo	2010-2011	BD	-	✓(1)	-	-	-	-	-	
Jandaroi	2006-2015	ABDE	✓(1)	14 (2/4)	-	-	-	15 (1/1)	-	
Janz	1999-2001, 2008-2012	ABCDE	✓(1)	-	N (1/3)	-	-	-	-	
Kamilaroi	1999-2004	ABCD	N (1/3)	-	N (1/3)	✓(1)	N (1/2)	28 (1/3)	-	
Kennedy	1999-2012	ABCDE	N (2/8)	14 (1/6)	N (1/3)	N (1/1)	✓(4)	N (2/5)	-	
Kiora	2013-2015	D	-	✓(1)	-	-	-	-	-	
Lang	2000-2012	ABCDE	14 (1/8)	✓(4)	✓(2)	N (1/1)	✓(3)	N (1/4)	✓(2)	
Leichhardt	1999-2004	ABCD	6 (1/3)	-	✓(3)	✓(1)	✓(2)	11 (1/3)	-	
Livingston	2007-2009	ACDE	-	✓(1)	-	-	-	-	-	
LRPB Beaufort	2009-2010	BE	-	-	-	-	-	-	-	
LRPB Crusader	2008-2009, 2011	ABDE	-	✓(1)	-	-	-	-	-	
LRPB Dakota	2008-2009	ADE	-	✓(1)	-	-	-	-	-	
LRPB Dart	2012-2013	D	-	✓(2)	-	-	-	-	-	
LRPB Gauntlet	2012-2013	D	-	N (1/2)	-	-	-	-	-	
LRPB Gazelle	2012	D	-	✓(1)	-	-	-	-	-	
LRPB Hornet	2008-2009	DE	-	-	-	-	-	-	-	
LRPB Impala	2011	BD	-	N (1/1)	-	-	-	-	N (1/1)	
LRPB Lancer	2013-2014	D	-	✓(1)	-	-	-	-	-	
LRPB Lincoln	2010-2011	B	-	11 (1/1)	-	-	-	-	-	
LRPB Merlin	2012-13	D	-	✓(2)	-	-	-	-	-	
LRPB Orion	2011	BD	-	✓(1)	-	-	-	-	-	
LRPB Spitfire	2011-2012	BD	-	✓(2)	-	-	-	-	-	
LRPB Viking	2013-2015	D	-	✓(1)	-	-	-	-	-	
Merinda	2006-2009	ABCDE	-	-	-	-	-	-	-	
Mitch	2012-2015	D	-	✓(2)	-	-	-	-	-	
Pelsart	1999	A	-	-	✓(1)	-	-	-	-	
Petrie	2000-2008	ABCDE	✓(8)	N (1/4)	✓(2)	✓(1)	✓(3)	N (1/4)	✓(2)	
QALBis	2002-2004	AB	-	-	-	-	-	N (1/1)	✓(2)	
Rees	2004-2008	BCDE	✓(3)	✓(2)	-	-	N (1/2)	7-9 (2/3)	N (1/1)	
Sentinel	2009-2011	BDE	-	-	-	-	-	-	-	
Strzelecki	2000-2005, 2009-2012	ABCDE	6 (1/6)	✓(1)	✓(2)	N (1/1)	✓(3)	✓(4)	✓(2)	
Sunbri	1999-2003	ABCD	N (1/2)	-	✓(3)	N (1/1)	✓(1)	35 (1/2)	-	
Sunbrook	1999-2003	ABCD	9 (1/2)	-	✓(3)	N (1/1)	✓(1)	✓(2)	-	
Sunco	1999-2012	ABCDE	6 (1/7)	N (1/4)	N (1/3)	N (1/1)	✓(3)	N (1/4)	-	
Sunguard	2010-2011	D	-	N (1/2)	-	-	-	-	-	
Sunlin	1999-2012	ABCDE	8 (1/7)	12 (1/4)	✓(3)	✓(1)	9 (1/3)	14-65 (6/7)	-	
Sunmate	2013-2015	D	-	✓(1)	-	-	-	-	-	
Sunsoft 98	2010	B	-	-	-	-	-	-	-	
Sunstate	1999-2005	ABCDE	7 (1/5)	✓(1)	N (1/3)	✓(1)	N (1/3)	10 (1/6)	-	
Suntop	2012-13	D	-	✓(2)	-	-	-	-	-	
Sunvale	1999-2012	ABCDE	N (1/7)	✓(4)	✓(3)	✓(1)	✓(3)	N (1/4)	-	
Sunvex	2007-2009	ACD	-	✓(1)	-	-	-	-	-	
Sunzell	2006-2008	BDE	✓(1)	13 (1/1)	-	-	✓(1)	N (1/1)	-	
Tjikuri	2011	B	-	N (1/1)	-	-	-	-	-	
Ventura	2002-2012	ABCDE	✓(2)	-	-	-	N (2/2)	N (1/1)	✓(3)	
Wallup	2012	D	-	✓(1)	-	-	-	-	-	
WID802	2010	D	-	✓(1)	-	-	-	-	-	
Wollaroi	1999-2002 2004-2008	ABCDE	15 (1/6)	14-24 (2/4)	✓(3)	✓(1)	✓(3)	13-18 (4/5)	-	

Yallaroi	1999-2006	ABCDE	N (1/6)	N (1/2)	N (1/3)	✓(1)	✓(3)	8-12 (2/6)	-
Yawa	2010-2011	D	-	N (1/2)	-	-	-	-	-
Zebu	2010-2011	D	-	✓(1)	-	-	-	-	-
Zulu	201002011	D	-	-	-	-	-	-	-
Rates (product/ha)			200g	100mL	35g	50g	2.5L	1.875L	0.75L

Crop stage at spraying	2-7 leaf + 1-7 tiller	3-7 leaf + 1-7 tiller	Pre-plant	Pre-plant	5-7 leaf + 3-6 tiller	1-9 node	3-4 leaf + 1-2 tiller
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Herbicide	Cultivar	Years tested	MCPA LVE 500/570	Precept	Sakura 850 WG	Starane 200 / Advanced	Topik 240EC	Tordon 75D+24D	Tordon 242
		Sites	1999-2003, 2005-2006	2008-2009	2007-2009	2000-2009, 2013-	1999-2004, 2009, 2010, 2011	1999-2001	1999-2015
			ABCDE	B	DE	ABCDE	AB	AC	ABCDE
Batavia 2	1999-2002	ABCDE	N (1/3)	-	-	✓(3)	45 (1/3)	✓(3)	N (1/4)
Baxter	1999-2012	ABCDE	N (1/3)	✓(2)	✓(3)	N (1/6)	✓(4)	✓(3)	N (1/7)
Braewood	2002-2003	A	✓(2)	-	-	✓(2)	✓(2)	-	✓(2)
Caparoi	2007-2011	BCDE	✓(3)	-	not registered	✓(2)	-	-	✓(3)
Carinya	2006-2008	BCDE	✓(1)	N (1/1)	-	✓(1)	-	-	-
Condo	2013-2015	D	-	-	-	-	-	-	-
Cunningham	1999-2004	ABCD	✓(3)	-	-	✓(5)	✓(4)	✓(3)	✓(6)
DBA Aurora	2012-2015	D	-	-	-	✓(2)	-	-	-
EGA Bellaroi	2002-2008, 2011-2012	ABCDE	✓(4)	✓(1)	not registered	✓(5)	✓(3)	-	✓(4)
EGA Bounty	2008-2010	ABDE	N (1/3)	-	-	✓(2)	✓(1)	-	✓(3)
EGA Burke	2006-2011	ABDE	✓(4)	✓(2)	✓(1)	✓(2)	-	-	N (1/4)
EGA Eaglehawk	2011	BD	✓(1)	-	-	-	✓(1)	-	✓(1)
EGA Gregory	2004-2012	ABDE	N (1/3)	✓(2)	✓(2)	✓(3)	✓(2)	-	✓(4)
EGA Hume	2002-2005, 2007-2008	ABDE	✓(3)	✓(1)	✓(2)	✓(6)	✓(4)	-	✓(5)
EGA Kidman	2008-2010	BDE	✓(2)	-	-	✓(1)	-	-	✓(2)
EGA Stampede	2006-2009	ABCDE	✓(5)	-	-	✓(4)	✓(1)	-	N (1/5)
EGA Wentworth	2005-2008	BCDE	N (1/3)	✓(1)	-	✓(2)	-	-	✓(2)
EGA Wills	2006-2009	ABCDE	✓(4)	-	-	✓(4)	✓(1)	-	✓(4)
EGA Wylie	2004-2008	BCDE	22 (1/2)	✓(1)	-	✓(2)	✓(1)	-	✓(1)
Ellison	2002-2008	ABCDE	N (2/4)	✓(1)	✓(1)	✓(5)	✓(3)	-	✓(3)
Elmore CL Plus	2012, 2014	D	✓(1)	-	-	✓(1)	5 (1/1)	-	-
Gascoigne	2012	D	✓(1)	-	-	-	N (1/1)	-	-
GBA Combat	2004	B	-	-	-	-	✓(1)	-	-
GBA Hunter	2005-2009	ABCDE	17 (1/5)	✓(1)	-	12 (1/2)	✓(1)	-	✓(4)
GBA Ruby	2008-2010	AD	N (1/2)	-	-	✓(2)	✓(1)	-	N (1/2)
GBA Sapphire	2004-2005, 2007-2008	BDE	✓(2)	✓(1)	-	-	✓(1)	-	✓(2)
Giles	1999-2006	ABCDE	✓(3)	-	-	✓(6)	N (1/4)	✓(3)	N (1/6)
Hartog	1999-2005	ABCDE	✓(4)	-	-	N (1/7)	✓(5)	✓(3)	N (1/7)
Hybrid Mercury	1999	A	✓(1)	-	-	-	✓(1)	✓(1)	✓(1)
Hypemo	2010-2011	BD	✓(2)	-	not registered	-	-	-	✓(2)
Jandaroi	2006-2015	ABDE	✓(4)	✓(1)	not registered	✓(3)	✓(1)	-	✓(4)
Janz	1999-2001, 2008-2012	ABCDE	✓(5)	-	-	✓(4)	✓(3)	✓(3)	N (1/5)
Kamilaroi	1999-2004	ABCD	✓(3)	-	not registered	N (1/5)	✓(4)	✓(3)	✓(6)
Kennedy	1999-2012	ABCDE	N (1/8)	✓(3)	✓(3)	✓(10)	N (1/4)	✓(3)	N (2/11)
Kiora	2013-2015	D	-	-	-	✓(1)	-	-	-
Lang	2000-2012	ABCDE	✓(4)	✓(2)	✓(3)	N (1/8)	✓(4)	✓(2)	N (1/8)
Leichhardt	1999-2004	ABCD	✓(3)	-	-	N (1/5)	✓(4)	✓(3)	N (2/6)
Livingston	2007-2009	ACDE	✓(4)	-	-	✓(3)	✓(1)	-	✓(4)
LRPB Beaufort	2009-2010	BE	✓(1)	-	-	-	-	-	✓(1)
LRPB Crusader	2008-2009, 2011	ABDE	N (2/2)	-	-	✓(2)	✓(2)	-	N (1/2)
LRPB Dakota	2008-2009	ADE	N (1/3)	-	-	✓(3)	46 (1/3)	✓(3)	N (1/4)
LRPB Dart	2012-2013	D	✓(1)	-	-	✓(1)	N (1/1)	-	-
LRPB Gauntlet	2012-2013	D	✓(1)	-	-	✓(1)	✓(1)	-	-
LRPB Gazelle	2012	D	✓(1)	-	-	-	N (1/1)	-	-
LRPB Hornet	2008-2009	DE	✓(1)	-	-	✓(1)	-	-	✓(1)
LRPB Impala	2011	BD	✓(1)	-	-	-	✓(1)	-	✓(1)
LRPB Lancer	2013-2014	D	-	-	-	✓(2)	-	-	-
LRPB Lincoln	2010-2011	B	✓(1)	-	-	-	-	-	✓(1)
LRPB Merlin	2012-13	D	✓(1)	-	-	✓(1)	N (1/1)	-	-
LRPB Orion	2011	BD	✓(1)	-	-	-	✓(1)	-	✓(1)
LRPB Spitfire	2011-2012	BD	✓(2)	-	-	-	✓(2)	-	✓(1)
LRPB Viking	2013-2015	D	-	-	-	-	-	-	-
Merinda	2006-2009	ABCDE	✓(5)	-	-	✓(4)	✓(1)	-	✓(5)
Mitch	2012-2015	D	-	-	-	✓(2)	-	-	-
Pelsart	1999	A	✓(1)	-	-	-	✓(1)	✓(1)	✓(1)
Petrie	2000-2008	ABCDE	✓(4)	✓(1)	✓(2)	✓(8)	✓(4)	✓(2)	16 (1/7)
QALBis	2002-2004	AB	✓(2)	-	-	✓(2)	✓(3)	-	✓(2)
Rees	2004-2008	BCDE	✓(2)	-	-	✓(3)	✓(1)	-	✓(1)
Sentinel	2009-2011	BDE	✓(1)	-	-	-	-	-	✓(1)
Strzelecki	2000-2005, 2009-2012	ABCDE	N (1/4)	✓(1)	✓(1)	N (1/8)	✓(4)	✓(2)	✓(8)
Sunbri	1999-2003	ABCD	✓(3)	-	-	✓(4)	✓(4)	✓(3)	✓(5)
Sunbrook	1999-2003	ABCD	✓(3)	-	-	✓(4)	✓(4)	✓(3)	N (1/5)
Sunco	1999-2012	ABCDE	✓(3)	✓(2)	✓(3)	✓(6)	✓(4)	✓(3)	✓(7)
Sunguard	2010-2011	D	✓(1)	-	-	-	✓(1)	-	✓(1)
Sunlin	1999-2012	ABCDE	✓(2)	✓(2)	✓(2)	✓(5)	✓(4)	✓(2)	N (1/6)
Sunmate	2013-2015	D	-	-	-	-	-	-	-
Sunsoft 98	2010	B	✓(1)	-	-	-	-	-	✓(1)
Sunstate	1999-2005	ABCDE	✓(3)	-	-	✓(6)	✓(4)	✓(3)	N (2/6)
Suntop	2012-13	D	✓(1)	-	-	✓(1)	✓(1)	-	-
Sunvale	1999-2012	ABCDE	✓(3)	✓(2)	✓(3)	✓(6)	13 (1/4)	✓(3)	✓(7)
Sunvex	2007-2009	ACD	✓(3)	-	-	✓(3)	✓(1)	-	✓(3)
Sunzell	2006-2008	BDE	✓(2)	✓(1)	-	✓(2)	-	-	✓(2)
Tjikuri	2011	B	-	-	not registered	-	-	-	-
Ventura	2002-2012	ABCDE	✓(4)	✓(2)	✓(2)	N (1/3)	N (1/3)	-	✓(4)
Wallup	2012	D	✓(1)	-	-	-	N (1/1)	-	-

WID802	2010	D	-	-	-	-	-	-	-
Wollaroi	1999-2002 2004-2008	ABCDE	✓(3)	✓(1)	not registered	✓(5)	✓(3)	N (1/3)	✓(5)
Yallaroi	1999-2006	ABCDE	✓(3)	-	not registered	✓(6)	N (1/3)	✓(3)	N (1/6)
Yawa	2010-2011	D	-	-	-	-	-	-	-
Zebu	2010-2011	D	✓(1)	-	-	-	✓(1)	-	✓(1)
Zulu	201002011	D	✓(2)	-	not registered	-	✓(1)	-	✓(2)
Rates (product/ha)			0.75L/0.65L	1.5L	118g	0.75L/0.6L	85mL	75D 300mL 24D 470mL	1.0L
Crop stage at spraying			3-6 leaf + 1-5 tiller	3-5 leaf + 1-2 tiller	IBS	4-7 leaf + 3-5 tiller	3-5 leaf + 1-2 tiller	4-7 leaf + 3-9 tiller	4-6 leaf + 1-6 tiller

Herbicide Cultivar	Years tested	Sites	Torpedo	Triflur X	Tristar Advance	Wildcat
			florasulam + clopyralid	trifluralin	diclofop + fenoxaprop	fenoxaprop
			2004	2005-2006	2002	1999-2004, 2009
			D	DE	A	AB
Batavia 2	1999-2002	ABCDE	-	-	✓(1)	N (1/4)
Baxter	1999-2012	ABCDE	✓(1)	N (1/1)	N (1/1)	N (1/4)
Braewood	2002-2003	A	-	-	-	✓(2)
Caparoi	2007-2011	BCDE	-	-	-	-
Carinya	2006-2008	BCDE	-	✓(1)	-	-
Condo	2013-2015	D	-	-	-	-
Cunningham	1999-2004	ABCD	✓(1)	-	✓(1)	✓(4)
DBA Aurora	2012-2015	D	-	-	-	-
EGA Bellaroi	2002-2008, 2011-2012	ABCDE	✓(1)	✓(1)	-	✓(3)
EGA Bounty	2008-2010	ABDE	-	-	-	✓(1)
EGA Burke	2006-2011	ABDE	-	-	-	-
EGA Eaglehawk	2011	BD	-	-	-	-
EGA Gregory	2004-2012	ABDE	-	✓(1)	-	✓(2)
EGA Hume	2002-2005, 2007-2008	ABDE	✓(1)	-	-	✓(3)
EGA Kidman	2008-2010	BDE	-	-	-	-
EGA Stampede	2006-2009	ABCDE	-	-	-	✓(1)
EGA Wentworth	2005-2008	BCDE	-	N (1/1)	-	-
EGA Wills	2006-2009	ABCDE	-	-	-	✓(1)
EGA Wylie	2004-2008	BCDE	-	✓(1)	-	✓(1)
Ellison	2002-2008	ABCDE	-	N (1/1)	-	✓(3)
Elmore CL Plus	2012, 2014	D	-	-	-	-
Gascolgne	2012	D	-	-	-	-
GBA Combat	2004	B	-	-	-	✓(1)
GBA Hunter	2005-2009	ABCDE	-	✓(1)	-	✓(1)
GBA Ruby	2008-2010	AD	-	-	-	✓(1)
GBA Sapphire	2004-2005, 2007-2008	BDE	-	-	-	✓(1)
Giles	1999-2006	ABCDE	✓(1)	14 (1/1)	N (1/1)	✓(4)
Hartog	1999-2005	ABCDE	✓(1)	-	✓(1)	N (1/5)
Hybrid Mercury	1999	A	-	-	-	✓(1)
Hypemo	2010-2011	BD	-	-	-	-
Jandaroi	2006-2015	ABDE	-	-	-	✓(1)
Janz	1999-2001, 2008-2012	ABCDE	-	-	-	✓(3)
Kamilaroi	1999-2004	ABCD	✓(1)	-	✓(1)	✓(4)
Kennedy	1999-2012	ABCDE	✓(1)	N (2/2)	✓(1)	✓(4)
Kiora	2013-2015	D	-	-	-	-
Lang	2000-2012	ABCDE	✓(1)	N (1/1)	✓(1)	✓(4)
Leichhardt	1999-2004	ABCD	✓(1)	-	✓(1)	✓(4)
Livingston	2007-2009	ACDE	-	-	-	✓(1)
LRPB Beaufort	2009-2010	BE	-	-	-	-
LRPB Crusader	2008-2009, 2011	ABDE	-	-	-	✓(1)
LRPB Dakota	2008-2009	ADE	-	-	-	✓(1)
LRPB Dart	2012-2013	D	-	-	-	-
LRPB Gauntlet	2012-2013	D	-	-	-	-
LRPB Gazelle	2012	D	-	-	-	-
LRPB Hornet	2008-2009	DE	-	-	-	-
LRPB Impala	2011	BD	-	-	-	-
LRPB Lancer	2013-2014	D	-	-	-	-
LRPB Lincoln	2010-2011	B	-	-	-	-
LRPB Merlin	2012-13	D	-	-	-	-
LRPB Orion	2011	BD	-	-	-	-
LRPB Spitfire	2011-2012	BD	-	-	-	-
LRPB Viking	2013-2015	D	-	-	-	-
Merinda	2006-2009	ABCDE	-	-	-	✓(1)
Mitch	2012-2015	D	-	-	-	-
Pelsart	1999	A	-	-	-	✓(1)
Petrie	2000-2008	ABCDE	✓(1)	N (1/1)	✓(1)	✓(4)
QALBis	2002-2004	AB	-	-	-	✓(3)
Rees	2004-2008	BCDE	-	23 (1/1)	-	✓(1)
Sentinel	2009-2011	BDE	-	-	-	-
Strzelecki	2000-2005, 2009-2012	ABCDE	✓(1)	-	✓(1)	✓(4)
Sunbri	1999-2003	ABCD	-	-	✓(1)	✓(4)
Sunbrook	1999-2003	ABCD	-	-	✓(1)	✓(4)
Sunco	1999-2012	ABCDE	✓(1)	✓(1)	✓(1)	✓(4)
Sunguard	2010-2011	D	-	-	-	-
Sunlin	1999-2012	ABCDE	✓(1)	✓(1)	N (1/1)	✓(4)
Sunmate	2013-2015	D	-	-	-	-
Sunsoft 98	2010	B	-	-	-	-
Sunstate	1999-2005	ABCDE	✓(1)	✓(1)	✓(1)	✓(4)
Suntop	2012-13	D	-	-	-	-
Sunvale	1999-2012	ABCDE	✓(1)	N (1/1)	✓(1)	✓(4)
Sunvex	2007-2009	ACD	-	-	-	✓(1)
Sunzell	2006-2008	BDE	-	-	-	-
Tjikuri	2011	B	-	-	-	-
Ventura	2002-2012	ABCDE	-	✓(1)	-	✓(3)
Wallup	2012	D	-	-	-	-
WID802	2010	D	-	-	-	-
Wollaroi	1999-2002 2004-2008	ABCDE	✓(1)	✓(1)	✓(1)	✓(4)

Yallaroi	1999-2006	ABCDE	✓(1)	✓(1)	N (1/1)	✓(4)
Yawa	2010-2011	D	-	-	-	-
Zebu	2010-2011	D	-	-	-	-
Zulu	201002011	D	-	-	-	-
Rates (product/ha)			100mL	1.5L	1.5L	0.5L
Crop stage at spraying			4-5 leaf + 2 tiller	Pre-plant	3 leaf + 1-2 tiller	3-5 leaf + 1-2 tiller

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Research site location:		A Dalby	B Gatton	C Goondiwindi	D Oakey	E Warwick
Site soil type :		black earth	black earth	duplex	black earth	black earth
Site pH :		7.35-8.7	7.5-8.0	6.6-8.3	6.5-8.5	6.7-7.4
Site annual average rainfall mm:		676	790	621	645	670



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

All herbicide applications must accord with the currently registered label for that particular herbicide, crop, weed and region.