

Wheat cultivars response to herbicides in the Northern Region 1999-2010

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

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

N (w/z) narrow margin, significant yield reductions at higher than recommended rate, but not 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

x% (1/z) yield reduction (warning) significant yield reduction at recommended rate in 1 trial only in z years of testing

x-y% (w/z) yield reductions (warning) significant yield reductions at recommended rate in w years out of z years tested.

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 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	Atlantis	Atlantis OD
			tralkoxydim	metsulfuron- methyl	metsulfuron + MCPA LVE	metsulfuron + picloram + MCPA LVE	2,4-D amine	mesosulfuron	mesosulfuron
			1999, 2004- 05, 2008-10	1999-2010	2004-2005, 2007, 2010	2010	1999-2003, 2005-2010	2003-2007	2007-2010
		Sites	ABE	ABCDE	CD	D	ABCE	ABDE	ABDE
Batavia 2	1999-2002	ABCDE	N (1/1)	18 (1/3)	-	-	✓(4)	-	-
Baxter	1999-2010	ABCDE	✓(1)	N (1/4)	✓(1)	-	N (1/4)	✓(4)	N (1/2)
Braewood	2002-2003	A	-	✓(2)	-	-	N (1/2)	-	-
Caparoi	2007-2010	BCDE	✓(1)	N (2/5)	✓(1)	✓(1)	✓(3)	-	-
Carinya	2006-2008	BCDE	-	✓(3)	✓(1)	-	✓(1)	✓(1)	✓(1)
Cunningham	1999-2004	ABCD	✓(1)	16-21 (2/5)	✓(1)	-	✓(4)	✓(2)	-
EGA Bellaroi	2002-2008	ABCDE	✓(3)	N (1/5)	9 (1/2)	-	✓(3)	N (1/3)	9 (1/2)
EGA Bounty	2008-2010	ABDE	✓(1)	12 (1/4)	-	-	✓(2)	-	✓(2)
EGA Burke	2006-2010	ABDE	✓(1)	N (1/6)	✓(1)	-	24 (1/3)	✓(1)	✓(2)
EGA Gregory	2004-2010	ABDE	✓(3)	N (2/7)	N (1/3)	-	✓(2)	✓(1)	✓(1)
EGA Hume	02-05, 07-08	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)
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	2004-05, 07-08	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)	-	✓(1)	-	-
Hyperno	2010	BD	-	✓(1)	-	-	-	-	✓(1)
Jandaroi	2006-2010	ABDE	-	8-24 (3/8)	✓(2)	✓(1)	✓(2)	✓(1)	N (1/3)
Janz	1999-01, 08-10	ABCDE	✓(3)	✓(6)	-	-	✓(6)	-	-
Kamilaroi	1999-2004	ABCD	✓(1)	N (2/4)	✓(1)	-	✓(4)	15 (1/2)	-
Kennedy	1999-2010	ABCDE	✓(1)	N (1/10)	✓(2)	-	✓(8)	✓(5)	N (1/3)
Lang	2000-2010	ABCDE	✓(2)	8 (1/7)	N (1/3)	✓(1)	✓(5)	✓(4)	✓(2)
Leichhardt	1999-2004	ABCD	✓(1)	✓(4)	✓(1)	-	N (1/4)	✓(2)	-
Livingston	2007-2009	ACDE	-	9 (1/4)	✓(1)	-	✓(2)	-	✓(1)
LRPB Beaufort	2009-2010	BE	✓(1)	✓(1)	-	-	✓(1)	-	-
LRPB Crusader	2008-2009	ADE	✓(1)	✓(3)	-	-	17 (1/2)	-	✓(1)
LRPB Dakota	2008-2009	ADE	✓(1)	✓(3)	-	-	✓(2)	-	✓(1)
LRPB Hornet	2008-2009	DE	✓(1)	✓(2)	-	-	✓(2)	-	-
LRPB Lincoln	2010	B	-	-	-	-	-	-	-
Merinda	2006-2009	ABCDE	-	✓(5)	-	-	✓(3)	-	✓(1)
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)	-
Sentinal	2009-2010	BE	✓(1)	✓(1)	-	-	✓(1)	-	-
Strzelecki	2000-05, 09-10	ABCDE	✓(2)	N (1/5)	✓(2)	-	✓(5)	✓(4)	-
Sunbri	1999-2003	ABCD	✓(1)	N (1/4)	-	-	✓(4)	✓(1)	-
Sunbrook	1999-2003	ABCD	✓(1)	N (1/4)	-	-	✓(4)	✓(1)	-
Sunco	1999-2010	ABCDE	✓(1)	17 (1/5)	✓(1)	-	✓(4)	✓(4)	N (1/2)
Sunguard	2010	D	-	✓(1)	-	-	-	-	✓(1)
Sunlin	1999-2010	ABCDE	✓(1)	✓(4)	✓(1)	-	✓(3)	✓(4)	14 (1/2)
Sunsoft 98	2010	B	-	-	-	-	-	-	-
Sunstate	1999-2005	ABCDE	✓(1)	✓(4)	✓(1)	-	N (1/4)	✓(4)	-
Sunvale	1999-2010	ABCDE	✓(1)	N (2/4)	✓(1)	-	✓(4)	✓(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)
Ventura	2002-2010	ABCDE	✓(3)	6-10 (2/7)	N (1/2)	✓(1)	N (1/3)	✓(1)	N (1/1)
Wollaroi	1999-02, 04-08	ABCDE	✓(1)	N (1/3)	✓(1)	-	✓(4)	✓(3)	N (1/2)
Yallaroi	1999-2006	ABCDE	✓(1)	18 (1/4)	✓(1)	-	✓(4)	✓(4)	-
Zebu	2010	D	-	18 (1/1)	-	-	-	-	✓(1)
Zulu	2010	D	-	-	-	-	-	-	-
Rates (product/ha)			380-430g	7g	Ally 7g MCPA 0.66/0.75L	Ally 7g Tordon 242 1L	500 0.85L 625 0.65L	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 + prosulfocarb	MCPA+ dicamba+ bromoxynil	bromoxynil + MCPA	bromoxynil	dicamba	florasulam	
	Years tested	2001-2003, 2009	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	1999-2010	ABCDE	✓(4)	✓(2)	✓(1)	N (1/2)	28 (1/4)	N (1/3)	✓(2)
Braewood	2002-2003	A	-	-	-	-	18 (1/2)	-	-
Caparoi	2007-2010	BCDE	-	-	-	-	-	-	-
Carinya	2006-2008	BCDE	-	✓(1)	-	-	✓(1)	-	-
Cunningham	1999-2004	ABCD	✓(3)	-	✓(1)	N (1/2)	✓(4)	N (1/3)	-
EGA Bellaroi	2002-2008	ABCDE	✓(1)	✓(2)	✓(1)	✓(1)	-	✓(4)	-
EGA Bounty	2008-2010	ABDE	✓(1)	-	-	-	-	N (1/1)	-
EGA Burke	2006-2010	ABDE	-	-	-	-	-	-	✓(2)
EGA Gregory	2004-2010	ABDE	✓(1)	✓(1)	-	-	-	N (1/3)	N (1/2)
EGA Hume	02-05, 07-08	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)	-
GBA Combat	2004	B	-	-	-	-	-	-	-
GBA Hunter	2005-2009	ABCDE	✓(1)	✓(1)	-	-	-	16 (1/3)	-
GBA Ruby	2008-2010	AD	✓(1)	-	-	-	-	✓(1)	-
GBA Sapphire	2004-05, 07-08	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	BD	-	-	-	-	-	-	-
Jandaroi	2006-2010	ABDE	✓(1)	-	-	-	-	N (1/1)	-
Janz	1999-01, 08-10	ABCDE	N (1/1)	-	-	-	✓(2)	N (1/2)	-
Kamilaroi	1999-2004	ABCD	✓(3)	-	✓(1)	✓(2)	✓(4)	✓(3)	-
Kennedy	1999-2010	ABCDE	✓(4)	✓(3)	✓(1)	N (1/2)	N (1/4)	N (2/4)	N (1/2)
Lang	2000-2010	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	ADE	✓(1)	-	-	-	-	28 (1/1)	-
LRPB Dakota	2008-2009	ADE	N (1/1)	-	-	-	-	N (1/1)	-
LRPB Hornet	2008-2009	DE	-	-	-	-	-	-	-
LRPB Lincoln	2010	B	-	-	-	-	-	-	-
Merinda	2006-2009	ABCDE	✓(1)	-	-	-	-	N (1/1)	-
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)	-
Sentinal	2009-2010	BE	-	-	-	-	-	-	-
Strzelecki	2000-05, 09-10	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	1999-2010	ABCDE	✓(4)	✓(2)	12 (1/1)	✓(2)	✓(4)	✓(3)	N (1/2)
Sunguard	2010	D	-	-	-	-	-	-	-
Sunlin	1999-2010	ABCDE	✓(4)	✓(2)	✓(1)	✓(2)	✓(4)	✓(3)	✓(2)
Sunsoft 98	2010	B	-	-	-	-	-	-	-
Sunstate	1999-2005	ABCDE	✓(4)	✓(1)	10 (1/1)	✓(2)	✓(4)	38 (1/3)	-
Sunvale	1999-2010	ABCDE	N (1/4)	✓(2)	✓(1)	✓(2)	✓(4)	✓(3)	✓(2)
Sunvex	2007-2009	ACD	✓(1)	-	-	-	-	30 (1/1)	-
Sunzell	2006-2008	BDE	-	-	-	-	-	-	-
Ventura	2002-2010	ABCDE	-	✓(1)	-	-	-	13 (1/4)	✓(2)
Wollaroi	1999-02, 04-08	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)	-
Zebu	2010	D	-	-	-	-	-	-	-
Zulu	2010	D	-	-	-	-	-	-	-
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

Herbicide	Cultivar	Years tested	Sites	Crusader	Crusader + Hotshot	Crusader + MCPA LVE	Crusader + Hotshot + MCPA LVE	Glean pre-plant	Glean	Hotshot
				pyroxsulam	pyroxsulan + (aminopyralid + fluoxypyr)	pyroxsulan + MCPA	pyroxsulan + (aminopyralid + fluoxypyr) + MCPA	chlorsulfuron	chlorsulfuron	aminopyralid + fluoxypyr
				2005-2007	2006-2007	2006-2007	2006-2007	1999-2001	2002-2010	2003-2007
				BD	B	B	B	AB	ABCDE	ABD
Batavia 2	1999-2002	ABCDE		-	-	-	-	✓(3)	-	-
Baxter	1999-2010	ABCDE		7 (1/3)	✓(2)	✓(2)	N (1/2)	✓(3)	✓(1)	✓(4)
Braewood	2002-2003	A		-	-	-	-	-	✓(2)	-
Caparoi	2007-2010	BCDE		-	-	-	-	-	N (1/3)	-
Carinya	2006-2008	BCDE		-	-	-	-	-	✓(2)	✓(2)
Cunningham	1999-2004	ABCD		-	-	-	-	✓(3)	-	✓(2)
EGA Bellaroi	2002-2008	ABCDE		✓(1)	-	-	-	-	✓(5)	✓(3)
EGA Bounty	2008-2010	ABDE		-	-	-	-	-	N (1/3)	-
EGA Burke	2006-2010	ABDE		-	-	-	-	-	✓(4)	✓(1)
EGA Gregory	2004-2010	ABDE		✓(1)	✓(1)	N (1/1)	N (1/1)	-	✓(5)	✓(2)
EGA Hume	02-05, 07-08	ABDE		N (1/2)	✓(1)	✓(1)	N (1/1)	-	✓(4)	✓(3)
EGA Kidman	2008-2010	BDE		-	-	-	-	-	✓(2)	-
EGA Stampede	2006-2009	ABCDE		-	-	-	-	-	✓(4)	-
EGA Wentworth	2005-2008	BCDE		-	-	-	-	-	✓(3)	✓(2)
EGA Wills	2006-2009	ABCDE		-	-	-	-	-	✓(3)	-
EGA Wylie	2004-2008	BCDE		-	-	-	-	-	✓(3)	✓(2)
Ellison	2002-2008	ABCDE		N (1/2)	✓(1)	✓(1)	3 (1/1)	-	✓(6)	✓(3)
GBA Combat	2004	B		-	-	-	-	-	✓(1)	-
GBA Hunter	2005-2009	ABCDE		-	-	-	-	-	✓(3)	✓(2)
GBA Ruby	2008-2010	AD		-	-	-	-	-	N (1/2)	-
GBA Sapphire	2004-05, 07-08	BDE		-	-	-	-	-	✓(2)	✓(1)
Giles	1999-2006	ABCDE		N (1/2)	N (1/1)	✓(1)	N (1/1)	✓(3)	-	✓(4)
Hartog	1999-2005	ABCDE		✓(1)	-	-	-	N (1/3)	✓(1)	✓(3)
Hybrid Mercury	1999	A		-	-	-	-	✓(1)	-	-
Hyperno	2010	BD		-	-	-	-	-	✓(1)	-
Jandaroi	2006-2010	ABDE		-	-	-	-	-	N (1/4)	✓(1)
Janz	1999-01, 08-10	ABCDE		-	-	-	-	✓(3)	✓(2)	-
Kamilaroi	1999-2004	ABCD		-	-	-	-	✓(3)	-	✓(2)
Kennedy	1999-2010	ABCDE		✓(3)	5 (1/2)	✓(2)	3 (1/2)	N (1/3)	N (1/6)	✓(6)
Lang	2000-2010	ABCDE		N (1/3)	8 (1/2)	N (1/2)	✓(2)	N (1/2)	✓(3)	✓(4)
Leichhardt	1999-2004	ABCD		-	-	-	-	✓(3)	-	N (1/2)
Livingston	2007-2009	ACDE		-	-	-	-	-	N (1/3)	-
LRPB Beaufort	2009-2010	BE		-	-	-	-	-	✓(1)	-
LRPB Crusader	2008-2009	ADE		-	-	-	-	-	✓(2)	-
LRPB Dakota	2008-2009	ADE		-	-	-	-	-	✓(2)	-
LRPB Hornet	2008-2009	DE		-	-	-	-	-	✓(2)	-
LRPB Lincoln	2010	B		-	-	-	-	-	-	-
Merinda	2006-2009	ABCDE		-	-	-	-	-	✓(4)	-
Pelsart	1999	A		-	-	-	-	✓(1)	-	-
Petrie	2000-2008	ABCDE		✓(3)	N (1/2)	✓(2)	N (2/2)	✓(2)	19 (1/3)	✓(4)
QALBis	2002-2004	AB		-	-	-	-	-	✓(3)	-
Rees	2004-2008	BCDE		✓(1)	-	-	-	-	16 (1/3)	✓(3)
Sentinal	2009-2010	BE		-	-	-	-	-	✓(1)	-
Strzelecki	2000-05, 09-10	ABCDE		✓(1)	-	-	-	✓(2)	✓(2)	✓(3)
Sunbri	1999-2003	ABCD		-	-	-	-	✓(3)	-	✓(1)
Sunbrook	1999-2003	ABCD		-	-	-	-	✓(3)	-	✓(1)
Sunco	1999-2010	ABCDE		N (2/3)	✓(2)	✓(2)	5 (1/2)	N (1/3)	✓(1)	N (1/4)
Sunguard	2010	D		-	-	-	-	-	✓(1)	-
Sunlin	1999-2010	ABCDE		N (2/3)	N (1/2)	N (1/2)	3 (1/2)	✓(3)	✓(1)	✓(4)
Sunsoft 98	2010	B		-	-	-	-	-	-	-
Sunstate	1999-2005	ABCDE		✓(1)	-	-	-	✓(3)	-	✓(3)
Sunvale	1999-2010	ABCDE		N (1/3)	N (1/2)	N (1/2)	5 (1/2)	✓(3)	✓(1)	N (4)
Sunvex	2007-2009	ACD		-	-	-	-	-	✓(2)	-
Sunzell	2006-2008	BDE		-	-	-	-	-	✓(3)	✓(1)
Ventura	2002-2010	ABCDE		-	-	-	-	-	15-19 (2/5)	✓(1)
Wollaroi	1999-02, 04-08	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)
Zebu	2010	D		-	-	-	-	-	N (1/1)	-
Zulu	2010	D		-	-	-	-	-	-	-
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 + 4 tiller	2- 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	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, 2004-2007	2005-2010	1999-2001	2002	2003-2006	2000, 2002- 2005, 2007	2002-2003, 2005
	Sites	ABDE	ABDE	AB	A	ABD	AB	AB	
Batavia 2	1999-2002	ABCDE	14 (1/2)	-	✓(3)	N (1/1)	-	✓(1)	-
Baxter	1999-2010	ABCDE	11 (1/7)	N (1/4)	✓(3)	✓(1)	✓(3)	N (3/4)	-
Braewood	2002-2003	A	-	-	-	-	-	-	✓(2)
Caparoi	2007-2010	BCDE	-	-	-	-	-	-	-
Carinya	2006-2008	BCDE	✓(1)	✓(2)	-	-	✓(1)	N (1/1)	-
Cunningham	1999-2004	ABCD	N (2/3)	-	N (1/3)	N (1/1)	✓(2)	14 (1/3)	-
EGA Bellaroi	2002-2008	ABCDE	N (1/5)	11 (1/4)	-	-	✓(3)	✓(3)	✓(3)
EGA Bounty	2008-2010	ABDE	-	✓(2)	-	-	-	-	-
EGA Burke	2006-2010	ABDE	✓(1)	N (1/2)	-	-	-	N (1/1)	-
EGA Gregory	2004-2010	ABDE	✓(3)	N (1/4)	-	-	✓(1)	N (1/2)	✓(1)
EGA Hume	02-05, 07-08	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)
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	2004-05, 07-08	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)	-	-	-	-
Hyperno	2010	BD	-	✓(1)	-	-	-	-	-
Jandaroi	2006-2010	ABDE	✓(1)	14 (1/3)	-	-	-	15 (1/1)	-
Janz	1999-01, 08-10	ABCDE	✓(1)	-	N (1/3)	-	-	-	-
Kamilaroi	1999-2004	ABCD	N (1/3)	-	N (1/3)	✓(1)	N (1/2)	28 (1/3)	-
Kennedy	1999-2010	ABCDE	N (2/8)	14 (1/6)	N (1/3)	N (1/1)	✓(4)	N (2/5)	-
Lang	2000-2010	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	ADE	-	✓(1)	-	-	-	-	-
LRPB Dakota	2008-2009	ADE	-	✓(1)	-	-	-	-	-
LRPB Hornet	2008-2009	DE	-	-	-	-	-	-	-
LRPB Lincoln	2010	B	-	-	-	-	-	-	-
Merinda	2006-2009	ABCDE	-	-	-	-	-	-	-
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)
Sentinal	2009-2010	BE	-	-	-	-	-	-	-
Strzelecki	2000-05, 09-10	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	1999-2010	ABCDE	6 (1/7)	N (1/4)	N (1/3)	N (1/1)	✓(3)	N (1/4)	-
Sunguard	2010	D	-	✓(1)	-	-	-	-	-
Sunlin	1999-2010	ABCDE	8 (1/7)	12 (1/4)	✓(3)	✓(1)	9 (1/3)	14-65 (6/7)	-
Sunsoft 98	2010	B	-	-	-	-	-	-	-
Sunstate	1999-2005	ABCDE	7 (1/5)	✓(1)	N (1/3)	✓(1)	N (1/3)	10 (1/6)	-
Sunvale	1999-2010	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)	-
Ventura	2002-2010	ABCDE	✓(2)	-	-	-	N (2/2)	N (1/1)	✓(3)
Wollaroi	1999-02, 04-08	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)	-
Zebu	2010	D	-	✓(1)	-	-	-	-	-
Zulu	2010	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

Herbicide		MCPA LVE 500/570	Precept	Starane 200 / Advanced	Topik 240EC	Tordon 242	Tordon 75D+24D	Torpedo	
Cultivar		MCPA	pyrasulfotole + MCPA LVE	fluroxypyr	clodinafop	picloram + MCPA	picloram + 24D	florasulam + clopyralid	
	Years tested		1999-2003, 2005-2010	2008-2009	2000-2009	1999-2004, 2009	1999-2010	1999-2001	2004
		Sites	ABCDE	B	ABCDE	AB	ABCDE	AC	D
Batavia 2	1999-2002	ABCDE	N (1/3)	-	✓(3)	45 (1/3)	N (1/4)	✓(3)	-
Baxter	1999-2010	ABCDE	N (1/3)	✓(2)	N (1/6)	✓(4)	N (1/7)	✓(3)	✓(1)
Braewood	2002-2003	A	✓(2)	-	✓(2)	✓(2)	✓(2)	-	-
Caparoi	2007-2010	BCDE	✓(3)	-	✓(2)	-	✓(3)	-	-
Carinya	2006-2008	BCDE	✓(1)	N (1/1)	✓(1)	-	-	-	-
Cunningham	1999-2004	ABCD	✓(3)	-	✓(5)	✓(4)	✓(6)	✓(3)	✓(1)
EGA Bellaroi	2002-2008	ABCDE	✓(4)	✓(1)	✓(5)	✓(3)	✓(4)	-	✓(1)
EGA Bounty	2008-2010	ABDE	N (1/3)	-	✓(2)	✓(1)	✓(3)	-	-
EGA Burke	2006-2010	ABDE	✓(4)	✓(2)	✓(2)	-	N (1/4)	-	-
EGA Gregory	2004-2010	ABDE	N (1/3)	✓(2)	✓(3)	✓(2)	✓(4)	-	-
EGA Hume	02-05, 07-08	ABDE	✓(3)	✓(1)	✓(6)	✓(4)	✓(5)	-	✓(1)
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)	✓(5)	✓(3)	✓(3)	-	-
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	2004-05, 07-08	BDE	✓(2)	✓(1)	-	✓(1)	✓(2)	-	-
Giles	1999-2006	ABCDE	✓(3)	-	✓(6)	N (1/4)	N (1/6)	✓(3)	✓(1)
Hartog	1999-2005	ABCDE	✓(4)	-	N (1/7)	✓(5)	N (1/7)	✓(3)	✓(1)
Hybrid Mercury	1999	A	✓(1)	-	-	✓(1)	✓(1)	✓(1)	-
Hyperno	2010	BD	✓(1)	-	-	-	✓(1)	-	-
Jandaroi	2006-2010	ABDE	✓(4)	✓(1)	✓(3)	✓(1)	✓(4)	-	-
Janz	1999-01, 08-10	ABCDE	✓(5)	-	✓(4)	✓(3)	N (1/5)	✓(3)	-
Kamilaroi	1999-2004	ABCD	✓(3)	-	N (1/5)	✓(4)	✓(6)	✓(3)	✓(1)
Kennedy	1999-2010	ABCDE	N (1/8)	✓(3)	✓(10)	N (1/4)	N (2/11)	✓(3)	✓(1)
Lang	2000-2010	ABCDE	✓(4)	✓(2)	N (1/8)	✓(4)	N (1/8)	✓(2)	✓(1)
Leichhardt	1999-2004	ABCD	✓(3)	-	N (1/5)	✓(4)	N (2/6)	✓(3)	✓(1)
Livingston	2007-2009	ACDE	✓(4)	-	✓(3)	✓(1)	✓(4)	-	-
LRPB Beaufort	2009-2010	BE	✓(1)	-	-	-	✓(1)	-	-
LRPB Crusader	2008-2009	ADE	N (2/2)	-	✓(2)	✓(1)	N (1/2)	-	-
LRPB Dakota	2008-2009	ADE	✓(2)	-	✓(2)	✓(1)	✓(2)	-	-
LRPB Hornet	2008-2009	DE	✓(1)	-	✓(1)	-	✓(1)	-	-
LRPB Lincoln	2010	B	✓(1)	-	-	-	✓(1)	-	-
Merinda	2006-2009	ABCDE	✓(5)	-	✓(4)	✓(1)	✓(5)	-	-
Pelsart	1999	A	✓(1)	-	-	✓(1)	✓(1)	✓(1)	-
Petrie	2000-2008	ABCDE	✓(4)	✓(1)	✓(8)	✓(4)	16 (1/7)	✓(2)	✓(1)
QALBis	2002-2004	AB	✓(2)	-	✓(2)	✓(3)	✓(2)	-	-
Rees	2004-2008	BCDE	✓(2)	-	✓(3)	✓(1)	✓(1)	-	-
Sentinal	2009-2010	BE	✓(1)	-	-	-	✓(1)	-	-
Strzelecki	2000-05, 09-10	ABCDE	N (1/4)	✓(1)	N (1/8)	✓(4)	✓(8)	✓(2)	✓(1)
Sunbri	1999-2003	ABCD	✓(3)	-	✓(4)	✓(4)	✓(5)	✓(3)	-
Sunbrook	1999-2003	ABCD	✓(3)	-	✓(4)	✓(4)	N (1/5)	✓(3)	-
Sunco	1999-2010	ABCDE	✓(3)	✓(2)	✓(6)	✓(4)	✓(7)	✓(3)	✓(1)
Sunguard	2010	D	-	-	-	-	-	-	-
Sunlin	1999-2010	ABCDE	✓(2)	✓(2)	✓(5)	✓(4)	N (1/6)	✓(2)	✓(1)
Sunsoft 98	2010	B	✓(1)	-	-	-	✓(1)	-	-
Sunstate	1999-2005	ABCDE	✓(3)	-	✓(6)	✓(4)	N (2/6)	✓(3)	✓(1)
Sunvale	1999-2010	ABCDE	✓(3)	✓(2)	✓(6)	13 (1/4)	✓(7)	✓(3)	✓(1)
Sunvex	2007-2009	ACD	✓(3)	-	✓(3)	✓(1)	✓(3)	-	-
Sunzell	2006-2008	BDE	✓(2)	✓(1)	✓(2)	-	✓(2)	-	-
Ventura	2002-2010	ABCDE	✓(4)	✓(2)	N (1/3)	N (1/3)	✓(4)	-	-
Wollaroi	1999-02, 04-08	ABCDE	✓(3)	✓(1)	✓(5)	✓(3)	✓(5)	N (1/3)	✓(1)
Yallaroi	1999-2006	ABCDE	✓(3)	-	✓(6)	N (1/3)	N (1/6)	✓(3)	✓(1)
Zebu	2010	D	✓(1)	-	-	-	✓(1)	-	-
Zulu	2010	D	✓(1)	-	-	-	✓(1)	-	-
Rates (product/ha)			0.75L	1.5L	0.75L/0.6L	85mL	1.0L	75D 300mL 24D 470mL	100mL
Crop stage at spraying			3-6 leaf + 1-5 tiller	3-5 leaf + 1-2 tiller	4-7 leaf + 3-5 tiller	3-5 leaf + 1-2 tiller	4-6 leaf + 1-6 tiller	4-7 leaf + 3-9 tiller	4-5 leaf + 2 tiller

Herbicide	Cultivar	Years tested	Triflur X trifluralin	Tristar	Wildcat
				Advance diclofop + fenoxaprop	fenoxaprop
			2005-2006	2002	1999-2004, 2009
			DE	A	AB
			Sites		
Batavia 2	1999-2002	ABCDE	-	✓(1)	N (1/4)
Baxter	1999-2010	ABCDE	N (1/1)	N (1/1)	N (1/4)
Braewood	2002-2003	A	-	-	✓(2)
Caparoi	2007-2010	BCDE	-	-	-
Carinya	2006-2008	BCDE	✓(1)	-	-
Cunningham	1999-2004	ABCD	-	✓(1)	✓(4)
EGA Bellaroi	2002-2008	ABCDE	✓(1)	-	✓(3)
EGA Bounty	2008-2010	ABDE	-	-	✓(1)
EGA Burke	2006-2010	ABDE	-	-	-
EGA Gregory	2004-2010	ABDE	✓(1)	-	✓(2)
EGA Hume	02-05, 07-08	ABDE	-	-	✓(1)
EGA Kidman	2008-2010	BDE	-	-	✓(3)
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)
GBA Combat	2004	B	-	-	✓(1)
GBA Hunter	2005-2009	ABCDE	✓(1)	-	✓(1)
GBA Ruby	2008-2010	AD	-	-	✓(1)
GBA Sapphire	2004-05, 07-08	BDE	-	-	✓(1)
Giles	1999-2006	ABCDE	14 (1/1)	N (1/1)	✓(4)
Hartog	1999-2005	ABCDE	-	✓(1)	N (1/5)
Hybrid Mercury	1999	A	-	-	✓(1)
Hyperno	2010	BD	-	-	✓(1)
Jandaroi	2006-2010	ABDE	-	-	✓(1)
Janz	1999-01, 08-10	ABCDE	-	-	✓(3)
Kamilaroi	1999-2004	ABCD	-	✓(1)	✓(4)
Kennedy	1999-2010	ABCDE	N (2/2)	✓(1)	✓(4)
Lang	2000-2010	ABCDE	N (1/1)	✓(1)	✓(4)
Leichhardt	1999-2004	ABCD	-	✓(1)	✓(4)
Livingston	2007-2009	ACDE	-	-	✓(1)
LRPB Beaufort	2009-2010	BE	-	-	-
LRPB Crusader	2008-2009	ADE	-	-	✓(1)
LRPB Dakota	2008-2009	ADE	-	-	✓(1)
LRPB Hornet	2008-2009	DE	-	-	-
LRPB Lincoln	2010	B	-	-	-
Merinda	2006-2009	ABCDE	-	-	✓(1)
Pelsart	1999	A	-	-	✓(1)
Petrie	2000-2008	ABCDE	N (1/1)	✓(1)	✓(4)
QALBis	2002-2004	AB	-	-	✓(3)
Rees	2004-2008	BCDE	23 (1/1)	-	✓(1)
Sentinal	2009-2010	BE	-	-	-
Strzelecki	2000-05, 09-10	ABCDE	-	✓(1)	✓(4)
Sunbri	1999-2003	ABCD	-	✓(1)	✓(4)
Sunbrook	1999-2003	ABCD	-	✓(1)	✓(4)
Sunco	1999-2010	ABCDE	✓(1)	✓(1)	✓(4)
Sunlin	1999-2010	ABCDE	✓(1)	N (1/1)	✓(4)
Sunsoft 98	2010	B	✓(1)	-	-
Sunstate	1999-2005	ABCDE	-	✓(1)	✓(4)
Sunvale	1999-2010	ABCDE	N (1/1)	✓(1)	✓(4)
Sunvex	2007-2009	ACD	-	-	✓(1)
Sunzell	2006-2008	BDE	-	-	-
Ventura	2002-2010	ABCDE	✓(1)	-	✓(3)
Wollaroi	1999-02, 04-08	ABCDE	✓(1)	✓(1)	✓(4)
Yallaroi	1999-2006	ABCDE	✓(1)	N (1/1)	✓(4)
Zebu	2010	D	✓(1)	-	-
Zulu	2010	D	✓(1)	-	-
Rates (product/ha)			1.5L	1.5L	0.5L
Crop stage at spraying			Pre-plant	3 leaf + 1-2 tiller	3-5 leaf + 1-2 tiller

Research site manager: John Churchett, QDPI, Toowoomba ph 0746398847 email john.churchett@deedi.qld.gov.au

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



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