

Wheat varieties response to herbicides in Western Australia 1999-2010

This research has been conducted in WA wheatbelt to determine if new and existing varieties of wheat vary in tolerance to commonly used and new herbicides.

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
✓	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 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 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.

Herbicides			Avadex® BW	Boxer® Gold	Dual® Gold	Glean®	Glean®	Logran®	Logran® B-Power®
			Tri-allate	s-Metolachlor + prosulfocarb	s-Metolachlor	Chlorsulfuron	Chlorsulfuron	Triasulfuron	Triasulfuron + Butafenacil
			1999-2005	2005-2006, 2008-10	2008-2009	1999-2003	2004-2006	1999-2003	2002-2006, 2008-09
Variety	Years Tested	Trial Sites	ABDEF	CDE	CE	ABDEF	CDE	ABDEF	CDE
Ajana	1999-2001	DEF	✓(6)	-	-	15 (1/6)	✓(2)	✓(6)	-
Amery	1999	EF	✓(2)	-	-	✓(2)	✓(2)	✓(2)	-
Arrino	1999-2001	ADEF	✓(6)	-	-	37 (1/6)	✓(6)	✓(6)	-
Axe	2008-09	CE	-	✓(3)	✓(3)	-	-	-	✓(3)
Binnu	2006	CD	-	✓(2)	-	-	✓(2)	-	✓(2)
Brookton	1999-2001	ABDEF	✓(7)	-	-	✓(7)	✓(2)	20 (1/8)	-
Bullaring	2006	C	-	✓(1)	-	-	✓(1)	-	✓(1)
Bumper	2008-09	CE	-	14 (1/3)	✓(3)	-	-	-	✓(3)
Calingiri	1999-2001, 10	ACDEF	✓(6)	✓(1)	-	12-25 (2/6)	✓(2)	✓(7)	-
Camm	1999-2001	BDEF	11-12 (2/8)	-	-	10-18 (3/8)	✓(2)	14-15 (2/8)	-
Camamah	1999-03, 06,10	ABCDEF	✓(12)	✓(2)	-	✓(12)	✓(2)	✓(13)	✓(3)
Cascade	2000-2001	B	✓(2)	-	-	✓(2)	-	✓(2)	-
EGA Blanco	2004	E	✓(1)	-	-	-	✓(1)	-	✓(1)
EGA Bonnie Rock	2002-04, 06,10	DE	✓(5)	✓(1)	-	✓(3)	✓(2)	✓(3)	✓(5)
EGA Castle Rock	2004 (2)	DE	✓(2)	-	-	-	✓(2)	-	✓(2)
EGA Eagle Rock	2004-2005	E	✓(1)	✓(1)	-	-	✓(2)	-	✓(2)
EGA Jitarning	2003, 2006	CD	✓(1)	✓(1)	-	✓(1)	✓(1)	✓(1)	✓(2)
EGA2248	2006	C	-	✓(1)	-	-	✓(1)	-	✓(1)
Espada	2008-2009	CE	-	✓(3)	✓(3)	-	-	-	✓(3)
Fang	2010	C	-	-	-	-	-	-	-
Fortune	2008-2009	CE	-	✓(3)	11 (1/3)	-	-	-	✓(3)
Frame	2000	B	✓(1)	-	-	✓(1)	-	✓(1)	-
GBA Ruby	2004	E	✓(1)	-	-	-	✓(1)	-	✓(1)
GBA Sapphire	2004, 2006	CE	✓(1)	✓(1)	-	-	✓(2)	-	✓(2)
GBA Shenton	2004	E	✓(1)	-	-	-	✓(1)	-	✓(1)
Giles	2001	B	✓(1)	-	-	✓(1)	-	✓(1)	-
Gladius	2008-2009	CE	-	✓(3)	6 (1/3)	-	-	-	✓(3)
H45	2000-2001	BE	✓(3)	-	-	✓(3)	-	✓(3)	-
Harrismith	2001-2002	DE	29 (1/2)	-	-	31 (1/2)	-	33 (1/2)	✓(1)
Janz	1999, 2008	EF	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)
Kalannie	1999	EF	✓(2)	-	-	✓(2)	✓(2)	✓(2)	-
Karlgarin	1999-2000	ADEF	9 (1/5)	-	-	9-21 (4/5)	14 (1/2)	✓(6)	-
Katana	2010	C	-	-	-	-	-	-	-
King Rock	2010	C	-	-	-	-	-	-	-
Kukri	2001	B	✓(1)	-	-	✓(1)	-	✓(1)	-
Mace	2009	CE	-	✓(2)	✓(2)	-	-	-	✓(2)
Magenta	2008-2009	CE	-	✓(3)	✓(3)	-	-	-	✓(3)
Mitre	2001	B	✓(1)	-	-	✓(1)	-	✓(1)	-
Nyabing	1999	EF	✓(2)	-	-	✓(2)	✓(2)	✓(2)	-
Perenjori	1999	EF	✓(2)	-	-	✓(2)	✓(2)	✓(2)	-
Rosella	1999	F	✓(1)	-	-	✓(1)	✓(1)	✓(1)	-
Stiletto	2000, 2010	BE	✓(1)	✓(1)	-	✓(1)	-	✓(1)	-
Sunelg	2000	B	✓(1)	-	-	✓(1)	-	✓(1)	-
Sunlin	2001	B	✓(1)	-	-	✓(1)	-	✓(1)	-
Tammarin Rock	2004-2006	DE	✓(2)	✓(1)	-	-	✓(3)	-	✓(3)
Tincurrin	2003	D	✓(1)	-	-	✓(1)	-	✓(1)	✓(1)
Westonia	1999-2003	ABDEF	31 (1/10)	-	-	✓(10)	✓(2)	✓(11)	✓(2)
Wyalkatchem	2001-06,08-10	BCDF	✓(8)	✓(7)	-	✓(6)	✓(5)	✓(6)	✓(11)
Yandanooka	2005-2006	CDE	-	N (1/3)	-	-	✓(3)	-	✓(3)
Yitpi	2000, 2010	BE	✓(1)	✓(1)	-	✓(1)	-	✓(1)	-
Zippy	2008-2009	CE	-	✓(3)	7 (1/3)	-	-	-	✓(3)
Rates (product/ha)			2 L	2.5 L	0.25 L	12.5 g	20 g	35 g	50 g
Crop stage at spraying			IBS	IBS	IBS	IBS	IBS	IBS	IBS

Herbicides			Stomp® 330 EC	Treflan® 400	Triflurá X 480	Triflurá X 480	Yield® 250 EC	Diuron 500 + Dual® Gold	Diuron 500 + Glean®
			Pendimethalin	Trifluralin	Trifluralin	Trifluralin	Oryzalin + Trifluralin	Diuron + s-Metolachlor	Diuron + Chlorsulfuron
Variety	Years Tested	Trial Sites	1999-2006, 2008 ABDEF	1999-2001, 2003 ABDEF	2002, 2004-2006 CDE	2008-2009 CE	1999-2001 ABDEF	1999-2001, 2003, 08-09 BCDEF	1999-2001 ABDEF
Ajana	1999-2001	DEF	✓(6)	✓(6)	-	-	✓(6)	✓(6)	✓(5)
Amery	1999	EF	✓(2)	✓(2)	-	-	✓(2)	✓(2)	✓(2)
Arrino	1999-2001	ADEF	13 (1/7)	✓(7)	-	-	✓(7)	✓(5)	✓(5)
Axe	2008-09	CE	6 (1/1)	-	-	✓(3)	-	✓(3)	-
Binnu	2006	CD	✓(2)	-	✓(2)	-	-	-	-
Brookton	1999-2001	ABDEF	✓(8)	✓(8)	-	-	✓(8)	✓(6)	✓(6)
Bullaring	2006	C	✓(1)	-	✓(1)	-	-	-	-
Bumper	2008-09	CE	✓(1)	-	-	9 (1/3)	-	✓(3)	-
Calingiri	1999-2001, 10	ACDEF	✓(7)	✓(7)	-	-	✓(7)	✓(5)	✓(5)
Camm	1999-2001	BDEF	15 (1/8)	9-24 (2/8)	-	-	12 (1/8)	14 (1/7)	16 (1/6)
Carnamah	1999-03, 06,10	ABCDEF	36 (1/13)	✓(12)	36 (1/1)	-	12 (1/10)	17 (1/10)	✓(6)
Cascade	2000-2001	B	✓(2)	12 (1/2)	-	-	✓(2)	15-19 (2/2)	✓(1)
EGA Blanco	2004	E	✓(1)	-	✓(1)	-	-	-	-
EGA Bonnie Rock	2002-04, 06,10	DE	✓(5)	✓(2)	✓(3)	-	-	✓(2)	-
EGA Castle Rock	2004 (2)	DE	✓(2)	-	✓(2)	-	-	-	-
EGA Eagle Rock	2004-2005	E	✓(2)	-	✓(2)	-	-	-	-
EGA Jitarning	2003, 2006	CD	✓(2)	✓(1)	✓(1)	-	-	✓(1)	-
EGA2248	2006	C	✓(1)	-	✓(1)	-	-	-	-
Espada	2008-2009	CE	✓(1)	-	-	✓(3)	-	✓(3)	-
Fang	2010	C	-	-	-	-	-	-	-
Fortune	2008-2009	CE	✓(1)	-	-	✓(3)	-	✓(3)	-
Frame	2000	B	✓(1)	✓(1)	-	-	✓(1)	✓(1)	✓(1)
GBA Ruby	2004	E	✓(1)	-	✓(1)	-	-	-	-
GBA Sapphire	2004, 2006	CE	✓(2)	-	✓(2)	-	-	-	-
GBA Shenton	2004	E	✓(1)	-	✓(1)	-	-	-	-
Giles	2001	B	✓(1)	✓(1)	-	-	✓(1)	14 (1/1)	-
Gladius	2008-2009	CE	✓(1)	-	-	✓(3)	-	✓(3)	-
H45	2000-2001	BE	✓(3)	✓(3)	-	-	✓(3)	23 (1/3)	✓(1)
Harrismith	2001-2002	DE	✓(2)	✓(1)	✓(1)	-	✓(1)	✓(1)	✓(1)
Janz	1999, 2008	EF	✓(2)	✓(1)	-	✓(1)	✓(1)	✓(2)	✓(1)
Kalannie	1999	EF	✓(2)	✓(2)	-	-	✓(2)	✓(2)	✓(2)
Karlgarin	1999-2000	ADEF	11-16 (2/6)	10-22 (2/6)	-	-	9-12 (3/6)	✓(4)	9-20 (2/5)
Katana	2010	C	-	-	-	-	-	-	-
King Rock	2010	C	-	-	-	-	-	-	-
Kukri	2001	B	✓(1)	✓(1)	-	-	✓(1)	✓(1)	-
Mace	2009	CE	-	-	-	12 (1/2)	-	✓(2)	-
Magenta	2008-2009	CE	✓(1)	-	-	✓(3)	-	✓(3)	-
Mitre	2001	B	12 (1/1)	✓(1)	-	-	✓(1)	✓(1)	-
Nyabing	1999	EF	✓(2)	✓(2)	-	-	✓(2)	✓(2)	✓(2)
Perenjori	1999	EF	✓(2)	✓(2)	-	-	✓(2)	✓(2)	✓(2)
Rosella	1999	F	✓(1)	✓(1)	-	-	✓(1)	✓(1)	✓(1)
Stiletto	2000, 2010	BE	✓(1)	✓(1)	-	-	✓(1)	16 (1/1)	15 (1/1)
Sunelg	2000	B	✓(1)	✓(1)	-	-	✓(1)	✓(1)	✓(1)
Sunlin	2001	B	✓(1)	✓(1)	-	-	✓(1)	✓(1)	-
Tammarin Rock	2004-2006	DE	✓(3)	-	✓(3)	-	-	-	-
Tincurrin	2003	D	✓(1)	✓(1)	-	-	-	✓(1)	-
Westonia	1999-2003	ABDEF	21-24 (2/11)	✓(10)	✓(1)	-	✓(9)	✓(8)	14 (1/6)
Wyalkatchem	2001-06,08-10	BCDF	✓(12)	✓(5)	✓(6)	✓(3)	✓(3)	18 (1/8)	-
Yandanooka	2005-2006	CDE	✓(3)	-	✓(3)	-	-	-	-
Yitpi	2000, 2010	BE	✓(1)	✓(1)	-	-	✓(1)	✓(1)	✓(1)
Zippy	2008-2009	CE	✓(1)	-	-	9-11 (2/3)	-	7 (1/3)	-
Rates (product/ha)			1.8 L	1 L	2 L	3 L	2 L	1 L + 0.25 L	1 L + 15 g
Crop stage at spraying			IBS	IBS	IBS	IBS	IBS	PSPE	PSPE

Herbicides			Achieve WG®	Achieve WG®	Axialä	Cheetah®Gold	Decision®	Eclipse®	Glean®
			Tralkoxydim	Tralkoxydim	Pinoxadin	Diclofop + Sethoxydim + Fenoxaprop	Diclofop + Sethoxydim	Metosulam	Chlorsulfuron
			1999-2003	2004-2006, 2008-09	2005-2006, 2008	2006, 2008-09	2002-2005	2000-2001	2008-2010
Variety	Years Tested	Trial Sites	ABDEF	CDE	CDE	DF	DE	BDEF	CE
Ajana	1999-2001	DEF	✓(5)	✓(1)	-	-	-	✓(4)	-
Amery	1999	EF	✓(1)	✓(1)	-	-	-	-	-
Arrino	1999-2001	ADEF	✓(6)	✓(1)	-	-	-	✓(4)	-
Axe	2008-09	CE	-	✓(3)	✓(1)	✓(3)	-	-	✓(3)
Binnu	2006	CD	-	✓(2)	✓(2)	✓(2)	-	-	-
Brookton	1999-2001	ABDEF	✓(7)	✓(1)	-	-	-	✓(5)	-
Bullaring	2006	C	-	✓(1)	✓(1)	✓(1)	-	-	-
Bumper	2008-09	CE	-	17 (1/3)	✓(1)	✓(3)	-	-	✓(3)
Calingiri	1999-2001, 10	ACDEF	✓(6)	✓(1)	-	-	-	12 (1/4)	-
Camm	1999-2001	BDEF	25 (1/7)	✓(1)	-	-	-	14-14 (2/6)	-
Carnamah	1999-03, 06,10	ABCDEF	✓(12)	✓(1)	-	-	✓(3)	✓(7)	-
Cascade	2000-2001	B	✓(2)	-	-	-	-	✓(2)	-
EGA Blanco	2004	E	-	✓(1)	-	-	✓(1)	-	-
EGA Bonnie Rock	2002-04, 06,10	DE	✓(3)	✓(2)	-	-	✓(5)	-	-
EGA Castle Rock	2004 (2)	DE	-	✓(2)	-	-	✓(2)	-	-
EGA Eagle Rock	2004-2005	E	-	✓(2)	✓(1)	-	✓(2)	-	-
EGA Jitarning	2003, 2006	CD	✓(1)	✓(1)	✓(1)	✓(1)	✓(1)	-	-
EGA2248	2006	C	-	✓(1)	✓(1)	✓(1)	-	-	-
Espada	2008-2009	CE	-	✓(3)	✓(1)	✓(3)	-	-	✓(3)
Fang	2010	C	-	-	-	-	-	-	-
Fortune	2008-2009	CE	-	✓(3)	✓(1)	✓(3)	-	-	✓(3)
Frame	2000	B	✓(1)	-	-	-	-	✓(1)	-
GBA Ruby	2004	E	-	✓(1)	-	-	✓(1)	-	-
GBA Sapphire	2004, 2006	CE	-	✓(2)	✓(1)	✓(1)	✓(1)	-	-
GBA Shenton	2004	E	-	✓(1)	-	-	✓(1)	-	-
Giles	2001	B	✓(1)	-	-	-	-	✓(1)	-
Gladius	2008-2009	CE	-	✓(3)	✓(1)	✓(3)	-	-	✓(3)
H45	2000-2001	BE	✓(3)	-	-	-	-	✓(3)	-
Harrismith	2001-2002	DE	✓(2)	-	-	-	✓(1)	✓(1)	-
Janz	1999, 2008	EF	-	✓(2)	✓(1)	✓(1)	-	-	✓(1)
Kalannie	1999	EF	✓(1)	✓(1)	-	-	-	-	-
Karlgarin	1999-2000	ADEF	12 (1/5)	✓(1)	-	-	-	✓(3)	-
Katana	2010	C	-	-	-	-	-	-	✓(1)
King Rock	2010	C	-	-	-	-	-	-	-
Kukri	2001	B	✓(1)	-	-	-	-	✓(1)	-
Mace	2009	CE	-	13 (1/2)	-	✓(2)	-	-	✓(2)
Magenta	2008-2009	CE	-	✓(3)	✓(1)	7 (1/3)	-	-	✓(3)
Mitre	2001	B	✓(1)	-	-	-	-	✓(1)	-
Nyabing	1999	EF	✓(1)	✓(1)	-	-	-	-	-
Perenjori	1999	EF	✓(1)	✓(1)	-	-	-	-	-
Rosella	1999	F	-	✓(1)	-	-	-	-	-
Stiletto	2000, 2010	BE	✓(1)	-	-	-	-	✓(1)	-
Sunelg	2000	B	✓(1)	-	-	-	-	✓(1)	-
Sunlin	2001	B	✓(1)	-	-	-	-	✓(1)	-
Tammarin Rock	2004-2006	DE	-	✓(3)	✓(1)	-	8 (1/3)	-	-
Tincurrin	2003	D	✓(1)	-	-	-	✓(1)	-	-
Westonia	1999-2003	ABDEF	✓(10)	✓(1)	-	-	✓(2)	✓(6)	-
Wyalkatchem	2001-06,08-10	BCDF	✓(6)	✓(8)	✓(4)	✓(5)	✓(6)	✓(3)	6 (1/3)
Yandanooka	2005-2006	CDE	-	✓(3)	✓(3)	✓(2)	✓(1)	-	-
Yitpi	2000, 2010	BE	✓(1)	-	-	-	-	✓(1)	-
Zippy	2008-2009	CE	-	5 (1/3)	✓(1)	9 (1/3)	-	-	6 (1/3)
Rates (product/ha)			250 g	380 g	0.3 L	1 L	1 L	10 g	20g
Crop stage at spraying			Z12-Z14	Z12-Z14	Z12-Z13	Z12-Z13	Z12-Z13	Z12-Z13	Z12-Z13

Herbicides			Tristar®	Velocity®	Wildcat®	Affinity® + MCPA	Ally + MCPA LVE + Lontrel® 750 SG	Ally®	Ally®
			Diclofop + Fenoxaprop	Bromoxynil + Pyrosulfotole	Fenoxaprop-P-ethyl	Carfentrazone-ethyl + MCPA	Metsulfuron + MCPA + Clopyralid	Metsulfuron	Metsulfuron
Variety	Years Tested	Trial Sites	1999	2009-10	1999	2000-2006, 2008-09	2006	1999-2006	1999, 2008-2010
			F	CE	EF	BCDEF	D	BCDEF	CEF
Ajana	1999-2001	DEF	✓(1)	-	✓(2)	16 (1/4)	-	20 (1/5)	✓(1)
Amery	1999	EF	✓(1)	-	✓(2)	-	-	✓(1)	✓(1)
Arrino	1999-2001	ADEF	✓(1)	-	✓(2)	✓(4)	-	✓(5)	✓(1)
Axe	2008-09	CE	-	✓(2)	-	14 (1/3)	-	-	14 (1/3)
Binnu	2006	CD	-	-	-	✓(2)	-	18 (1/2)	-
Brookton	1999-2001	ABDEF	✓(1)	-	27 (1/2)	✓(5)	-	✓(6)	✓(1)
Bullaring	2006	C	-	-	-	✓(1)	-	✓(1)	-
Bumper	2008-09	CE	-	✓(2)	-	✓(3)	-	-	✓(3)
Calingiri	1999-2001, 10	ACDEF	✓(1)	✓(1)	✓(2)	9-15 (2/4)	-	11 (1/5)	-
Camm	1999-2001	BDEF	✓(1)	-	✓(2)	✓(6)	-	16-26 (2/7)	✓(1)
Carnamah	1999-03, 06, 10	ABCDEF	✓(1)	✓(1)	✓(2)	✓(10)	✓(1)	15 (1/11)	✓(1)
Cascade	2000-2001	B	-	-	-	✓(2)	-	✓(2)	-
EGA Blanco	2004	E	-	-	-	✓(1)	-	✓(1)	-
EGA Bonnie Rock	2002-04, 06, 10	DE	-	✓(1)	-	✓(5)	✓(1)	✓(5)	-
EGA Castle Rock	2004 (2)	DE	-	-	-	✓(2)	-	✓(2)	-
EGA Eagle Rock	2004-2005	E	-	-	-	✓(2)	-	✓(2)	-
EGA Jitarning	2003, 2006	CD	-	-	-	✓(2)	-	✓(2)	-
EGA2248	2006	C	-	-	-	✓(1)	-	✓(1)	-
Espada	2008-2009	CE	-	✓(2)	-	✓(3)	-	-	7 (1/3)
Fang	2010	C	-	-	-	-	-	-	-
Fortune	2008-2009	CE	-	✓(2)	-	✓(3)	-	-	11 (1/3)
Frame	2000	B	-	-	-	✓(1)	-	✓(1)	-
GBA Ruby	2004	E	-	-	-	✓(1)	-	✓(1)	-
GBA Sapphire	2004, 2006	CE	-	-	-	✓(2)	-	✓(2)	-
GBA Shenton	2004	E	-	-	-	✓(1)	-	✓(1)	-
Giles	2001	B	-	-	-	✓(1)	-	✓(1)	-
Gladius	2008-2009	CE	-	✓(2)	-	✓(3)	-	-	6 (1/3)
H45	2000-2001	BE	-	-	-	✓(3)	-	✓(3)	-
Harrismith	2001-2002	DE	-	-	-	✓(2)	-	✓(2)	-
Janz	1999, 2008	EF	✓(1)	-	✓(1)	✓(1)	-	-	✓(2)
Kalannie	1999	EF	-	-	✓(2)	-	-	✓(1)	✓(1)
Karlgarin	1999-2000	ADEF	✓(1)	-	✓(2)	✓(3)	-	14 (1/4)	16 (1/1)
Katana	2010	C	-	-	-	-	-	-	-
King Rock	2010	C	-	-	-	-	-	-	✓(1)
Kukri	2001	B	-	-	-	✓(1)	-	14 (1/1)	-
Mace	2009	CE	-	✓(2)	-	✓(2)	-	-	11 (1/2)
Magenta	2008-2009	CE	-	✓(2)	-	✓(3)	-	-	✓(3)
Mitre	2001	B	-	-	-	✓(1)	-	11 (1/1)	-
Nyabing	1999	EF	✓(1)	-	✓(2)	-	-	✓(1)	✓(1)
Perenjori	1999	EF	✓(1)	-	✓(2)	-	-	✓(1)	✓(1)
Rosella	1999	F	✓(1)	-	✓(1)	-	-	-	✓(1)
Stiletto	2000, 2010	BE	-	✓(1)	-	✓(1)	-	✓(1)	-
Sunelg	2000	B	-	-	-	✓(1)	-	✓(1)	-
Sunlin	2001	B	-	-	-	✓(1)	-	✓(1)	-
Tammarin Rock	2004-2006	DE	-	-	-	✓(3)	✓(1)	✓(3)	-
Tincurrin	2003	D	-	-	-	✓(1)	-	✓(1)	-
Westonia	1999-2003	ABDEF	✓(1)	-	✓(2)	✓(8)	-	14-26 (3/9)	✓(1)
Wyalkatchem	2001-06, 08-10	BCDF	-	✓(3)	-	22 (1/14)	✓(1)	✓(11)	8 (1/3)
Yandanooka	2005-2006	CDE	-	-	-	17 (1/3)	-	17 (1/3)	-
Yitpi	2000, 2010	BE	-	✓(1)	-	✓(1)	-	✓(1)	-
Zippy	2008-2009	CE	-	✓(2)	-	✓(3)	-	-	8-13 (2/3)
Rates (product/ha)			1.4 L	0.670 L	0.5 L	50 g + 0.5 L	g + 0.5 L + 40	5 g	7 g
Crop stage at spraying			Z12-Z13	Z12-Z15	Z12-Z13	Z13-Z14	Z13-Z16	Z13-Z14	Z13-Z14

Herbicides			Atlantis®	Broadside®	Broadside®	Buctril® MA	Buctril® MA	Crusader®	Crusader® +.Lontrel® 750 SG
			Mesosulfuron- methyl	Bromoxynil + MCPA + Dicamba	Bromoxynil + MCPA + Dicamba	Bromoxynil + MCPA	Bromoxynil + MCPA	Pyroxysulam + Cloquintocet Mexyl	Pyroxysulam + Cloquintocet Mexyl +Clopyralid
Variety	Years Tested	Trial Sites	2003-2006, 2008-09	1999-2003, 2005-06, 08	2004	2000-2001	2002-2006, 2008-09	2006	2006
			CDE	BCDEF	DE	BDEF	CDE	D	D
Ajana	1999-2001	DEF	-	✓(6)	-	15 (1/4)	-	-	-
Amery	1999	EF	-	✓(2)	-	-	-	-	-
Arrino	1999-2001	ADEF	-	✓(6)	-	✓(4)	-	-	-
Axe	2008-09	CE	5 (1/3)	✓(1)	-	-	✓(3)	-	-
Binnu	2006	CD	✓(2)	✓(2)	-	-	✓(2)	-	-
Brookton	1999-2001	ABDEF	-	✓(7)	-	✓(5)	-	-	-
Bullaring	2006	C	✓(1)	✓(1)	-	-	✓(1)	-	-
Bumper	2008-09	CE	✓(3)	✓(1)	-	-	✓(3)	-	-
Calingiri	1999-2001, 10	ACDEF	-	✓(6)	-	9 (1/4)	-	-	-
Camm	1999-2001	BDEF	-	✓(8)	-	11-24 (2/6)	-	-	-
Carnamah	1999-03, 06,10	ABCDEF	✓(2)	8-10 (2/12)	-	✓(7)	✓(3)	✓(1)	N (1/1)
Cascade	2000-2001	B	-	✓(2)	-	17 (1/2)	-	-	-
EGA Blanco	2004	E	✓(1)	-	✓(1)	-	✓(1)	-	-
EGA Bonnie Rock	2002-04, 06,10	DE	✓(4)	✓(3)	✓(2)	-	✓(5)	✓(1)	✓(1)
EGA Castle Rock	2004 (2)	DE	✓(2)	-	✓(2)	-	✓(2)	-	-
EGA Eagle Rock	2004-2005	E	✓(2)	-	✓(1)	-	✓(2)	-	-
EGA Jitarning	2003, 2006	CD	✓(2)	✓(2)	-	-	✓(2)	-	-
EGA2248	2006	C	✓(1)	✓(1)	-	-	✓(1)	-	-
Espada	2008-2009	CE	✓(3)	✓(1)	-	-	✓(3)	-	-
Fang	2010	C	-	-	-	-	-	-	-
Fortune	2008-2009	CE	✓(3)	✓(1)	-	-	✓(3)	-	-
Frame	2000	B	-	✓(1)	-	✓(1)	-	-	-
GBA Ruby	2004	E	✓(1)	-	✓(1)	-	✓(1)	-	-
GBA Sapphire	2004, 2006	CE	✓(2)	✓(1)	✓(1)	-	✓(2)	-	-
GBA Shenton	2004	E	✓(1)	-	✓(1)	-	✓(1)	-	-
Giles	2001	B	-	23 (1/1)	-	✓(1)	-	-	-
Gladius	2008-2009	CE	✓(3)	✓(1)	-	-	✓(3)	-	-
H45	2000-2001	BE	-	✓(3)	-	✓(3)	-	-	-
Harrismith	2001-2002	DE	-	✓(2)	-	-	✓(1)	-	-
Janz	1999, 2008	EF	✓(1)	✓(2)	-	-	✓(1)	-	-
Kalannie	1999	EF	-	✓(2)	-	-	-	-	-
Karlgarin	1999-2000	ADEF	-	✓(5)	-	✓(3)	-	-	-
Katana	2010	C	-	-	-	-	-	-	-
King Rock	2010	C	-	-	-	-	-	-	-
Kukri	2001	B	-	✓(1)	-	✓(1)	-	-	-
Mace	2009	CE	✓(2)	-	-	-	✓(2)	-	-
Magenta	2008-2009	CE	✓(3)	✓(1)	-	-	✓(3)	-	-
Mitre	2001	B	-	✓(1)	-	✓(1)	-	-	-
Nyabing	1999	EF	-	✓(2)	-	-	-	-	-
Perenjori	1999	EF	-	✓(2)	-	-	-	-	-
Rosella	1999	F	-	✓(1)	-	-	-	-	-
Stiletto	2000, 2010	BE	-	✓(1)	-	✓(1)	-	-	-
Sunelg	2000	B	-	✓(1)	-	✓(1)	-	-	-
Sunlin	2001	B	-	✓(1)	-	✓(1)	-	-	-
Tammarin Rock	2004-2006	DE	✓(3)	✓(1)	✓(2)	-	✓(3)	✓(1)	✓(1)
Tincurrin	2003	D	✓(1)	✓(1)	-	-	✓(1)	-	-
Westonia	1999-2003	ABDEF	-	✓(10)	-	12 (1/6)	✓(2)	-	-
Wyalkatchem	2001-06,08-10	BCDF	✓(10)	✓(10)	✓(2)	✓(3)	6 (1/11)	✓(1)	N (1/1)
Yandanooka	2005-2006	CDE	✓(3)	✓(3)	-	-	6 (1/3)	-	-
Yitpi	2000, 2010	BE	-	✓(1)	-	✓(1)	-	-	-
Zippy	2008-2009	CE	10 (1/3)	6 (1/1)	-	-	✓(3)	-	-
Rates (product/ha)			0.33 L	1 L	1.4 L	1 L	1.4 L	0.5 L	0.5 L + 120 g
Crop stage at spraying			Z13-Z14	Z13-Z14	Z13-Z14	Z13-Z14	Z13-Z14	Z13-Z16	Z13-Z16

Herbicides			Crusader® + MCPA LVE	Diuron 500 + MCPA (Amine)	Diuron 500 + MCPA (Amine)	Diuron 500 + 2,4-D	Eclipse® + MCPA LVE	Glean® + Ally® + MCPA	Hussar®	
			Pyroxysulam + Clointocet Methyl + MCPA LVE	Diuron + MCPA	Diuron + MCPA	Diuron + 2,4-D	Metosulam + MCPA	Chlorosulfuron + Metsulfuron + MCPA	Iodosulfuron-methyl	
Variety	Years Tested	Trial Sites	2006	2008-2009	1999-2001	2002-2004	2004-2006, 2008-09	2001	2001-2006, 2008-2009	
			D	DE	ABDEF	DE	CDE	BDE	BCDEF	
Ajana	1999-2001	DEF	-	-	✓(6)	-	-	✓(1)	✓(1)	
Amery	1999	EF	-	-	✓(2)	-	-	-	-	
Arrino	1999-2001	ADEF	-	-	✓(7)	-	-	✓(1)	✓(1)	
Axe	2008-09	CE	-	✓(3)	-	-	✓(3)	-	12 (1/3)	
Binnu	2006	CD	-	-	-	-	✓(2)	-	✓(2)	
Brookton	1999-2001	ABDEF	-	-	✓(8)	-	-	✓(1)	✓(1)	
Bullaring	2006	C	-	-	-	-	✓(1)	-	✓(1)	
Bumper	2008-09	CE	-	✓(3)	-	-	✓(3)	-	9 – 13 (2/3)	
Calingiri	1999-2001, 10	ACDEF	-	-	16-16 (2/7)	-	-	✓(1)	✓(1)	
Camm	1999-2001	BDEF	-	-	15-22 (2/8)	-	-	✓(2)	✓(2)	
Carnamah	1999-03, 06, 10	ABCDEF	✓(1)	-	✓(10)	✓(3)	-	✓(3)	✓(6)	
Cascade	2000-2001	B	-	-	12 (1/2)	-	-	✓(1)	✓(1)	
EGA Blanco	2004	E	-	-	-	✓(1)	✓(1)	-	✓(1)	
EGA Bonnie Rock	2002-04, 06, 10	DE	✓(1)	-	-	✓(5)	✓(2)	-	✓(5)	
EGA Castle Rock	2004 (2)	DE	-	-	-	✓(2)	✓(2)	-	✓(2)	
EGA Eagle Rock	2004-2005	E	-	-	-	✓(1)	✓(2)	-	34 (1/2)	
EGA Jitarning	2003, 2006	CD	-	-	-	✓(1)	✓(1)	-	✓(2)	
EGA2248	2006	C	-	-	-	-	✓(1)	-	✓(1)	
Espada	2008-2009	CE	-	✓(3)	-	-	7 (1/3)	-	✓(3)	
Fang	2010	C	-	-	-	-	-	-	-	
Fortune	2008-2009	CE	-	✓(3)	-	-	✓(3)	-	7 (1/3)	
Frame	2000	B	-	-	✓(1)	-	-	-	-	
GBA Ruby	2004	E	-	-	-	✓(1)	✓(1)	-	✓(1)	
GBA Sapphire	2004, 2006	CE	-	-	-	✓(1)	✓(2)	-	✓(2)	
GBA Shenton	2004	E	-	-	-	✓(1)	✓(1)	-	✓(1)	
Giles	2001	B	-	-	✓(1)	-	-	✓(1)	✓(1)	
Gladius	2008-2009	CE	-	✓(3)	-	-	✓(3)	-	10 (1/3)	
H45	2000-2001	BE	-	-	✓(3)	-	-	✓(2)	✓(2)	
Harrismith	2001-2002	DE	-	-	✓(1)	35 (1/2)	-	✓(1)	✓(2)	
Janz	1999, 2008	EF	-	✓(1)	✓(1)	-	✓(1)	-	7 (1/1)	
Kalannie	1999	EF	-	-	✓(2)	-	-	-	-	
Karlgarin	1999-2000	ADEF	-	-	11 (1/6)	-	-	-	-	
Katana	2010	C	-	-	-	-	-	-	-	
King Rock	2010	C	-	-	-	-	-	-	-	
Kukri	2001	B	-	-	✓(1)	-	-	✓(1)	✓(1)	
Mace	2009	CE	-	✓(2)	-	-	✓(2)	-	✓(2)	
Magenta	2008-2009	CE	-	✓(3)	-	-	✓(3)	-	✓(3)	
Mitre	2001	B	-	-	✓(1)	-	-	✓(1)	✓(1)	
Nyabing	1999	EF	-	-	✓(2)	-	-	-	-	
Perenjori	1999	EF	-	-	✓(2)	-	-	-	-	
Rosella	1999	F	-	-	✓(1)	-	-	-	-	
Stiletto	2000, 2010	BE	-	-	✓(1)	-	-	-	-	
Sunelg	2000	B	-	-	✓(1)	-	-	-	-	
Sunlin	2001	B	-	-	✓(1)	-	-	✓(1)	✓(1)	
Tammarin Rock	2004-2006	DE	✓(1)	-	-	✓(2)	✓(3)	-	✓(3)	
Tincurrin	2003	D	-	-	-	✓(1)	-	-	✓(1)	
Westonia	1999-2003	ABDEF	-	-	✓(9)	✓(2)	-	✓(2)	✓(4)	
Wyalkatchem	2001-06, 08-10	BCDF	✓(1)	✓(3)	✓(3)	✓(5)	✓(8)	✓(3)	✓(14)	
Yandanooka	2005-2006	CDE	-	-	-	-	✓(3)	-	✓(3)	
Yitpi	2000, 2010	BE	-	-	✓(1)	-	-	-	-	
Zippy	2008-2009	CE	-	7 (1/3)	-	-	5 (1/3)	-	8 (1/3)	
Rates (product/ha)			0.5 L + 0.350 L 0.35 L + 0.4 L 0.35 L + 0.5 L 0.5 L + 0.25 L 5 g + 0.5 L 1 g + 3 g + 0.3							200 g
Crop stage at spraying			Z13-Z16 Z13-Z14 Z13-Z14 Z13-Z14 Z13-Z14 Z13-Z14 Z13-Z14							Z13-Z14

* Use of 2,4-D ester 800 is restricted in some areas during certain months of the year. Consult the current labels.

Higher than the label herbicide rates to work out crop safety margins (N) were used in some trials and/or for some products only.

Herbicides			Hussar® + Lontrel® 750 SG Iodosulfuron- methyl + Clopyralid	Lontrel® 300 Clopyralid	Mataven® L Flamprop -M-methyl	Paragon® Picolinafen + MCPA	Precept® 300 Pyrasulfotole + MCPA Ester	Tigrex® Diflufenican + MCPA	Tigrex® Diflufenican + MCPA
Variety	Years Tested	Trial Sites	2006 D	2004 DE	2001-2006 BCDEF	2004-2005 DE	2008 E	2006 D	1999-2006, 2008-09 ABCDEF
Ajana	1999-2001	DEF	-	-	✓(1)	-	-	-	✓(6)
Amery	1999	EF	-	-	-	-	-	-	✓(2)
Arrino	1999-2001	ADEF	-	-	✓(1)	-	-	-	✓(7)
Axe	2008-09	CE	-	-	-	-	✓(1)	-	✓(3)
Binnu	2006	CD	-	-	19 (1/2)	-	-	-	✓(2)
Brookton	1999-2001	ABDEF	-	-	✓(1)	-	-	-	24 (1/8)
Bullaring	2006	C	-	-	✓(1)	-	-	-	✓(1)
Bumper	2008-09	CE	-	-	-	-	✓(1)	-	✓(3)
Calingiri	1999-2001, 10	ACDEF	-	-	✓(1)	-	-	-	16 (1/7)
Camm	1999-2001	BDEF	-	-	✓(2)	-	-	-	19-19 (2/8)
Carnamah	1999-03, 06,10	ABCDEF	✓(1)	-	✓(6)	-	-	N (1/1)	30 (1/13)
Cascade	2000-2001	B	-	-	✓(1)	-	-	-	✓(2)
EGA Blanco	2004	E	-	✓(1)	✓(1)	✓(1)	-	-	✓(1)
EGA Bonnie Rock	2002-04, 06,10	DE	✓(1)	✓(2)	✓(5)	✓(2)	-	✓(1)	✓(5)
EGA Castle Rock	2004 (2)	DE	-	✓(2)	✓(2)	✓(2)	-	-	✓(2)
EGA Eagle Rock	2004-2005	E	-	✓(1)	✓(2)	✓(2)	-	-	✓(2)
EGA Jitarning	2003, 2006	CD	-	-	19 (1/2)	-	-	-	✓(2)
EGA2248	2006	C	-	-	✓(1)	-	-	-	✓(1)
Espada	2008-2009	CE	-	-	-	-	✓(1)	-	✓(3)
Fang	2010	C	-	-	-	-	-	-	-
Fortune	2008-2009	CE	-	-	-	-	✓(1)	-	✓(3)
Frame	2000	B	-	-	-	-	-	-	✓(1)
GBA Ruby	2004	E	-	✓(1)	✓(1)	✓(1)	-	-	✓(1)
GBA Sapphire	2004, 2006	CE	-	✓(1)	✓(2)	✓(1)	-	-	✓(2)
GBA Shenton	2004	E	-	✓(1)	✓(1)	✓(1)	-	-	✓(1)
Giles	2001	B	-	-	✓(1)	-	-	-	✓(1)
Gladius	2008-2009	CE	-	-	-	-	✓(1)	-	✓(3)
H45	2000-2001	BE	-	-	✓(2)	-	-	-	✓(3)
Harrismith	2001-2002	DE	-	-	12 (1/2)	-	-	-	31 (1/2)
Janz	1999, 2008	EF	-	-	-	-	✓(1)	-	✓(2)
Kalannie	1999	EF	-	-	-	-	-	-	✓(2)
Karlgarin	1999-2000	ADEF	-	-	-	-	-	-	✓(6)
Katana	2010	C	-	-	-	-	-	-	-
King Rock	2010	C	-	-	-	-	-	-	-
Kukri	2001	B	-	-	✓(1)	-	-	-	✓(1)
Mace	2009	CE	-	-	-	-	-	-	✓(2)
Magenta	2008-2009	CE	-	-	-	-	✓(1)	-	✓(3)
Mitre	2001	B	-	-	✓(1)	-	-	-	✓(1)
Nyabing	1999	EF	-	-	-	-	-	-	✓(2)
Perenjori	1999	EF	-	-	-	-	-	-	✓(2)
Rosella	1999	F	-	-	-	-	-	-	22 (1/1)
Stiletto	2000, 2010	BE	-	-	-	-	-	-	✓(1)
Sunelg	2000	B	-	-	-	-	-	-	✓(1)
Sunlin	2001	B	-	-	✓(1)	-	-	-	✓(1)
Tammarin Rock	2004-2006	DE	✓(1)	✓(2)	✓(3)	✓(3)	-	✓(1)	✓(3)
Tincurrin	2003	D	-	-	✓(1)	-	-	-	✓(1)
Westonia	1999-2003	ABDEF	-	-	✓(4)	-	-	-	18-41 (2/11)
Wyalkatchem	2001-06,08-10	BCDF	✓(1)	✓(2)	✓(11)	✓(3)	✓(1)	N (1/1)	✓(14)
Yandanooka	2005-2006	CDE	-	-	✓(3)	✓(1)	-	-	✓(3)
Yitpi	2000, 2010	BE	-	-	-	-	-	-	✓(1)
Zippy	2008-2009	CE	-	-	-	-	✓(1)	-	7 (1/3)
Rates (product/ha)			200 g + 120 g	0.3 L	3 L	0.375 L	1 L	0.750 L	1 L
Crop stage at spraying			Z13-Z16	Z13-Z14	Z13-Z14	Z13-Z14	Z13-Z14	Z13-Z16	Z13-Z14

Herbicides			Paragon® Picolinafen + MCPA	MCPA Amine 500 MCPA	MCPA Amine 500 MCPA	Dicamba 500 Dicamba	Dicamba 500 Dicamba	2,4-D Amine 500 2,4-D amine	2,4-D Amine 625 2,4-D amine
Variety	Years Tested	Trial Sites	2008-2009	2004-2006, 2008-09	1999-2003	2002-2003	2009	1999-00, 2002-2003	2004-2006, 2008-09
			CE	CDE	ABDE	DE	CE	ABDEF	CDE
Ajana	1999-2001	DEF	-	-	-	-	-	✓(2)	-
Amery	1999	EF	-	-	-	-	-	✓(2)	-
Arrino	1999-2001	ADEF	-	-	✓(1)	-	-	✓(2)	-
Axe	2008-09	CE	14 (1/3)	✓(3)	-	-	✓(2)	-	11 (1/3)
Binnu	2006	CD	-	✓(2)	-	-	-	-	✓(2)
Brookton	1999-2001	ABDEF	-	-	✓(2)	-	-	✓(4)	-
Bullaring	2006	C	-	✓(1)	-	-	-	-	✓(1)
Bumper	2008-09	CE	✓(3)	✓(3)	-	-	✓(2)	-	14 (1/3)
Calingiri	1999-2001, 10	ACDEF	-	-	36 (1/1)	-	-	✓(3)	-
Camm	1999-2001	BDEF	-	-	✓(1)	-	-	✓(3)	-
Carnamah	1999-03, 06,10	ABCDEF	-	-	✓(5)	✓(3)	-	✓(7)	-
Cascade	2000-2001	B	-	-	✓(1)	-	-	✓(1)	-
EGA Blanco	2004	E	-	✓(1)	-	-	-	-	✓(1)
EGA Bonnie Rock	2002-04, 06,10	DE	-	✓(2)	18 (1/3)	✓(3)	-	✓(3)	✓(2)
EGA Castle Rock	2004 (2)	DE	-	✓(2)	-	-	-	-	✓(2)
EGA Eagle Rock	2004-2005	E	-	18 (1/2)	-	-	-	-	19 (1/2)
EGA Jitarning	2003, 2006	CD	-	✓(1)	✓(1)	✓(1)	-	19 (1/1)	✓(1)
EGA2248	2006	C	-	✓(1)	-	-	-	-	✓(1)
Espada	2008-2009	CE	✓(3)	✓(3)	-	-	✓(2)	-	15 (1/3)
Fang	2010	C	-	-	-	-	-	-	-
Fortune	2008-2009	CE	✓(3)	✓(3)	-	-	✓(2)	-	10 (1/3)
Frame	2000	B	-	-	✓(1)	-	-	✓(1)	-
GBA Ruby	2004	E	-	✓(1)	-	-	-	-	✓(1)
GBA Sapphire	2004, 2006	CE	-	✓(2)	-	-	-	-	✓(2)
GBA Shenton	2004	E	-	✓(1)	-	-	-	-	✓(1)
Giles	2001	B	-	-	-	-	-	-	-
Gladius	2008-2009	CE	✓(3)	✓(3)	-	-	✓(2)	-	✓(3)
H45	2000-2001	BE	-	-	✓(1)	-	-	✓(1)	-
Harrismith	2001-2002	DE	-	-	41 (1/2)	✓(1)	-	✓(1)	-
Janz	1999, 2008	EF	✓(1)	✓(1)	-	-	-	✓(1)	✓(1)
Kalannie	1999	EF	-	-	-	-	-	✓(2)	-
Karlgarin	1999-2000	ADEF	-	-	✓(1)	-	-	11 (1/3)	-
Katana	2010	C	-	-	-	-	-	-	-
King Rock	2010	C	-	-	-	-	-	-	-
Kukri	2001	B	-	-	-	-	-	-	-
Mace	2009	CE	✓(2)	✓(2)	-	-	✓(2)	-	✓(2)
Magenta	2008-2009	CE	✓(3)	✓(3)	-	-	✓(2)	-	✓(3)
Mitre	2001	B	-	-	-	-	-	-	-
Nyabing	1999	EF	-	-	-	-	-	✓(2)	-
Perenjori	1999	EF	-	-	-	-	-	✓(2)	-
Rosella	1999	F	-	-	-	-	-	✓(1)	-
Stiletto	2000, 2010	BE	-	-	✓(1)	-	-	✓(1)	-
Sunelg	2000	B	-	-	✓(1)	-	-	✓(1)	-
Sunlin	2001	B	-	-	-	-	-	-	-
Tammarin Rock	2004-2006	DE	-	✓(3)	-	-	-	-	✓(3)
Tincurrin	2003	D	-	-	✓(1)	✓(1)	-	✓(1)	-
Westonia	1999-2003	ABDEF	-	-	✓(4)	32 (1/2)	-	11-35 (2/6)	-
Wyalkatchem	2001-06,08-10	BCDF	✓(3)	✓(8)	✓(3)	29 (1/3)	✓(2)	✓(3)	✓(8)
Yandanooka	2005-2006	CDE	-	✓(3)	-	-	-	-	✓(3)
Yitpi	2000, 2010	BE	-	-	✓(1)	-	-	✓(1)	-
Zippy	2008-2009	CE	8 (1/3)	11 (1/3)	-	-	✓(2)	-	8 (1/3)
Rates (product/ha)			0.5 L	2 L	1.25 L	0.28 L	0.4 L	1 L	1.3 L
Crop stage at spraying			Z15+	Z15+	Z15+	Z15+	Z15+	Z15+	Z15+

* Use of 2,4-D ester 800 is restricted in some areas during certain months of the year. Consult the current labels.

Higher than the label herbicide rates to work out crop safety margins (N) were used in some trials and/or for some products only.

Herbicides			2,4-D LV	2,4-D L V	2,4-D ester
			Ester 600	Ester 680	800
			2,4-D LV ester	2,4-D LV ester	2,4-D ester
Variety	Years Tester	Trial	1999-2000	2008-2010	2003-2006
			AB	CE	CDE
Ajana	1999-2001	DEF	-	-	-
Amery	1999	EF	-	-	-
Arrino	1999-2001	ADEF	✓(1)	-	-
Axe	2008-09	CE	-	✓(3)	-
Binnu	2006	CD	-	-	✓(2)
Brookton	1999-2001	ABDEF	✓(2)	-	-
Bullaring	2006	C	-	-	✓(1)
Bumper	2008-09	CE	-	✓(3)	-
Calingiri	1999-2001, 10	ACDEF	✓(1)	✓(1)	-
Camm	1999-2001	BDEF	✓(1)	-	-
Carnamah	1999-03, 06,10	ABCDEF	39 (1/2)	-	12 (1/2)
Cascade	2000-2001	B	✓(1)	-	-
EGA Blanco	2004	E	-	-	✓(1)
EGA Bonnie Rock	2002-04, 06,10	DE	-	-	✓(4)
EGA Castle Rock	2004 (2)	DE	-	-	✓(2)
EGA Eagle Rock	2004-2005	E	-	-	17 (1/2)
EGA Jitarning	2003, 2006	CD	-	-	25-31 (2/2)
EGA2248	2006	C	-	-	✓(1)
Espada	2008-2009	CE	-	✓(3)	-
Fang	2010	C	-	✓(1)	-
Fortune	2008-2009	CE	-	✓(3)	-
Frame	2000	B	✓(1)	-	-
GBA Ruby	2004	E	-	-	✓(1)
GBA Sapphire	2004, 2006	CE	-	-	✓(2)
GBA Shenton	2004	E	-	-	✓(1)
Giles	2001	B	-	-	-
Gladius	2008-2009	CE	-	✓(3)	-
H45	2000-2001	BE	✓(1)	-	-
Harrismith	2001-2002	DE	-	-	-
Janz	1999, 2008	EF	-	✓(1)	-
Kalannie	1999	EF	-	-	-
Karlgarin	1999-2000	ADEF	22 (1/1)	-	-
Katana	2010	C	-	✓(1)	-
King Rock	2010	C	-	-	-
Kukri	2001	B	-	-	-
Mace	2009	CE	-	✓(2)	-
Magenta	2008-2009	CE	-	✓(3)	-
Mitre	2001	B	-	-	-
Nyabing	1999	EF	-	-	-
Perenjori	1999	EF	-	-	-
Rosella	1999	F	-	-	-
Stiletto	2000, 2010	BE	✓(1)	-	-
Sunelg	2000	B	✓(1)	-	-
Sunlin	2001	B	-	-	-
Tammarin Rock	2004-2006	DE	-	-	✓(3)
Tincurrin	2003	D	-	-	✓(1)
Westonia	1999-2003	ABDEF	41 (1/2)	-	✓(1)
Wyalkatchem	2001-06,08-10	BCDF	-	✓(3)	16 (1/7)
Yandanooka	2005-2006	CDE	-	-	✓(3)
Yitpi	2000, 2010	BE	✓(1)	-	-
Zippy	2008-2009	CE	-	✓(3)	-
Rates (product/ha)			0.5 L	0.8 L	0.7 L
Crop stage at spraying			Z15+	Z15+	Z15+

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Higher than the label herbicide rates to work out crop safety margins (N) were used in some trials and/or for some products only.

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Research site location	Buntine(A)	Esperance(B)	Katanning (C)	Merredin(D)	Mullewa (E)	Newdegate(F)
Site soil type	-	Fleming gravelly sand	Duplex sandy loam/ Loamy sand	Clay loam/ Loam	Sandy loam/ Red loam	Duplex sand over clay
Site pH (CaCl ₂)	-	4.5	5.2	5.1-5.3	4.6-6.4	4.1
Site annual average rainfall (mm)	357	475	422	327	337	375



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