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Wheat Varieties 2009

Background information is provided to commence the decision making process by wheat growers towards choosing the most suitable wheat varieties to sow.

Variety descriptions

Information about each variety is presented as overview statements, then as comparison tables of yield, crop growth and disease reaction characteristics.

Abbreviations used are:

Ⓢ	denotes that Plant Breeder Rights apply
CCN	Cereal Cyst Nematode
BYDV	Barley Yellow Dwarf Virus
RLN	Root Lesion Nematode
APH	Australian Prime Hard (min protein 13%)
AH	Australian Hard (min protein 11.5%)
APW	Australian Premium White (min protein 10%)
ASW	Australian Standard White
ASWN	Australian Noodle (Protein 9.5–11.5%)
ASFT	Australian Soft
AGP	General Purpose
ADR	Australian Durum

Bread wheat – ANNUELLO Ⓢ

AH grain quality which is preferentially sought by the domestic flour milling industry. Similar to Janz, but with improved yield, resistant to stem and moderately resistant to leaf rust. It is rated moderately susceptible to susceptible to stripe rust. Resistant to CCN and black point. Adapted to low and medium rainfall areas.

Tested as VL709R, registered in 2001 and marketed by PlantTech Pty Ltd.

Bread wheat – AXE Ⓢ

APW quality in Victoria. Semi dwarf awned wheat with early maturity. Moderately resistant to stripe rust and leaf rust and moderately susceptible to stem rust. Moderately susceptible to susceptible to yellow leaf spot, *Septoria tritici* and

Pratylenchus neglectus and susceptible to CCN. Good yield under terminal drought stress.

Tested as RAC1192 and marketed by AGT seeds.

Bread wheat – BOLAC Ⓢ

AH quality in Victoria. Mid to late season maturity, fully awned. Resistant to moderately resistant to stripe rust, moderately susceptible to stem and leaf rust. Moderately susceptible to susceptible to yellow leaf spot and susceptible to crown rot. While slightly earlier in maturity than Kellalac, Bolac is a suitable milling wheat for south-west Victoria.

Tested as VQ2621 and marketed by ABB Seeds.

Bread wheat – BUMPER Ⓢ

AGP quality in Victoria. Mid season maturity, awned semi-dwarf variety with good straw strength. Resistant to leaf rust, moderately resistant to moderately susceptible to stem rust and moderately susceptible to stripe rust.

Tested as WAWHT2836/IGW2836 and marketed by Crop Care Seed Technologies.

Bread wheat – CARINYA Ⓢ

AH quality in Victoria. A main season spring wheat very similar to Janz but shorter and with improved blackpoint tolerance. Moderately resistant to moderately susceptible to stripe and leaf rust and moderately resistant to stem rust. It is rated moderately susceptible to crown rot.

Tested as Sun421T and marketed by SunPrime Seeds.

Bread wheat - CATALINA Ⓢ

AH quality in Victoria. Mid season variety which is semi dwarf and awned. Moderately resistant to leaf rust and moderately resistant to moderately susceptible to stripe and stem rust and resistant to CCN. Moderately susceptible to yellow leaf spot and intolerant to boron toxicity.

Tested as LPB0268 and marketed by AWB Seeds.

Bread wheat – CHARA Ⓢ

AH quality in Victoria. Resistant to CCN, moderately resistant to stem rust, moderately susceptible to leaf rust and moderately susceptible to susceptible to stripe rust. Resistant and tolerant to RLN (*Pratylenchus thornei*). Chara grows well on the moderately acid soils of central and north-eastern Victoria and southern NSW and where high yields are expected. Chara has a reputation for waterlogging tolerance.

Tested as V1341R, registered in 1999 and marketed by AWB Seeds.

Bread wheat – CLEARFIELD JNZ Ⓢ

AH classification in Victoria. An imidazolinone herbicide tolerant semi dwarf wheat moderately resistant to stem rust, moderately susceptible to leaf and stripe rust and susceptible to CCN.

Tested as WAWHT 2339, registered 2001 and marketed by Nufarm.

Bread wheat – CORRELL Ⓢ

AH quality in Victoria. Mid season maturity and fully awned. Moderately resistant to moderately susceptible to stem and stripe rust, moderately susceptible to leaf rust and susceptible to yellow leaf spot. Resistant to CCN and tolerant to boron toxicity, with improved blackpoint tolerance compared to Yitpi. Released as a Yitpi replacement.

Tested as WI23322 and marketed by AGT Seeds.

Bread wheat – DERRIMUT Ⓢ

AH quality in Victoria. Semi dwarf variety five days earlier maturity than Yitpi. Resistant to moderately resistant to stem rust, resistant to leaf rust and CCN and moderately susceptible to stripe rust. Moderately tolerant of boron toxicity.

Tested as NGSP005 and marketed by Crop Care Seed Technologies.

Bread wheat – DRYSDALE Ⓢ

APW quality in Victoria. Has resistance to stem rust but moderately susceptible to leaf and stripe rust and susceptible to CCN. Prone to high screenings. Best adapted to acid soils.

Tested as QH_71-2, registered 2001 and marketed by AWB Seeds.

Bread wheat – EGA BOUNTY Ⓢ

APW quality in Victoria. An early to mid season variety which is resistant to leaf rust and moderately resistant to stem and stripe rust. Moderately susceptible to yellow leaf spot and crown rot.

Tested as QT12136. Marketed by Crop Care Seed Technologies.

Bread wheat – EGA EAGLEHAWK Ⓢ

APW quality in Victoria. Late maturing awned variety resistant to leaf, stem and stripe rust. Acid soil tolerant.

Marketed by PlantTech Pty Ltd.

Bread wheat – EGA WILLS Ⓢ

APW quality in Victoria. An awned mid-season variety it is resistant to stem rust and moderately resistant to leaf rust, stripe rust and common root rot. Moderately susceptible to crown rot and yellow leaf spot.

Tested as QT11658. Marketed by Pacific Seeds.

Bread wheat – ELLISON Ⓢ

APW quality in Victoria. An awned mid-season variety with white chaff. Resistant to leaf and stripe rust, moderately resistant to stem rust and yellow leaf spot and susceptible to crown rot and root lesion nematode. Outclassed for grain yield in the Wimmera, North Central and North-Eastern Victoria.

Tested as SUN 366A and marketed by AGT Seeds.

Bread wheat – ENDURE Ⓢ

ASW quality in Victoria. An awned semi-dwarf variety with white chaff and good straw strength. Resistant to moderately resistant to leaf and stem rust, moderately resistant to stripe rust and moderately susceptible to septoria. Susceptible to yellow leaf spot.

Tested as WAWHT2784 and IGW2784 and marketed by Crop Care Seed Technologies.

Bread wheat – ESPADA Ⓢ

APW quality in Victoria. A mid-season awned variety of moderately short plant height. Moderately resistant to stem and leaf rust, moderately resistant to moderately susceptible to stripe rust and moderately susceptible to CCN, yellow leaf spot and root lesion nematode.

Tested as RAC1263 and marketed by AGT Seeds.

Bread wheat - FRAME

APW quality and is now largely displaced by Yitpi. The combination of large grain, low screenings, CCN resistance and tolerance, good early vigour and boron tolerance made Frame a popular choice with Mallee growers. Moderately susceptible to stem and leaf rust and moderately resistant to moderately susceptible to stripe rust and very susceptible to yellow leaf spot. It has poor straw strength. Suited to low rainfall areas.

Released by the Waite Institute in 1994.

Bread wheat – GLADIUS Ⓢ

AH quality in Victoria. Semi dwarf mid season variety. Moderately resistant to stem rust, moderately resistant to moderately susceptible to stripe rust and moderately susceptible to leaf rust, yellow leaf spot, CCN and *Pratylenchus neglectus*. Susceptible to septoria tritici and crown rot with blackpoint tolerance.

Tested as RAC 1262 and marketed by AGT Seeds

Bread wheat - GUARDIAN Ⓢ

APW quality in Victoria. Mid to late season variety, semi dwarf with awns. Moderately resistant to stem rust, moderately susceptible to leaf and stripe rust. Resistant to CCN and moderately susceptible to yellow leaf spot.

Tested as LPB0617 and marketed by AWB Seeds.

Bread wheat – HORNET Ⓢ

APW quality in Victoria. A mid-season variety suited to northern Victoria. Resistant to leaf rust, moderately resistant to moderately susceptible to stem rust and resistant to moderately susceptible to stripe rust. Moderately susceptible to yellow leaf spot and moderately susceptible to susceptible to crown rot. Small grain size means late sowing is inadvisable.

Tested as LPB03-0685 and marketed by ABB Seeds.

Bread wheat - JANZ

AH quality, Janz is a very widely adapted variety of good grain quality, particularly for the export market. Susceptible to CCN, moderately resistant to stem rust, moderately susceptible to leaf rust and moderately resistant to moderately susceptible to stripe rust. Suits medium – low rainfall areas.

Bread wheat – KELLALAC

APW quality and a high protein achiever. A late maturity spring wheat, well adapted to longer season environments, but not tolerant of very acid soils. Kellalac is moderately resistant to CCN, susceptible to stem and leaf rust and moderately resistant to moderately susceptible to stripe rust. Growers should be prepared to spray for leaf rust if they grow Kellalac. Kellalac is outclassed for grain yield by newer varieties.

Bread Wheat – LRPB BULLET Ⓢ

APW quality in Victoria. Early maturity variety of medium to short height and awned. Moderately resistant to stem rust, moderately susceptible to susceptible to stripe rust, resistant to leaf rust and moderately resistant to CCN. Moderately susceptible to yellow leaf spot. Suited to sowing after late breaks or where double knock weed management is employed prior to sowing.

Tested as LPB0423 and marketed by AWB Seeds.

Bread wheat – LRPB DAKOTA Ⓢ

APW quality in Victoria. Mid maturity semi dwarf awned variety. Moderately resistant to moderately susceptible to stripe rust, resistant to CCN and susceptible to yellow leaf spot. Suited to medium rainfall areas and is tolerant of acid soils.

Tested as LPB0780 and marketed by Pacific Seeds.

Bread wheat – LRPB MAGENTA Ⓢ

APW quality in Victoria. An awned semi-dwarf mid to long season variety. Resistant to stem and leaf rust, moderately susceptible to stripe rust and moderately resistant to yellow leaf spot.

Tested as WAWHT2726 and marketed by Crop Care Seed Technologies.

Bread wheat – MERINDA Ⓢ

AH quality in Victoria. An awned semi-dwarf variety with white chaff. Resistant to moderately resistant to stem, leaf and stripe rust, moderately susceptible to crown rot and susceptible to yellow leaf spot.

Tested as SUN435D and marketed by AGT Seeds

Bread wheat – MITRE Ⓢ

AH quality with resistance to CCN and stem rust, but moderately susceptible to leaf rust and moderately susceptible to susceptible to stripe rust. High yield potential but prone to high levels of black point.

Tested as VK237R, registered in 2000 and marketed by PlantTech Pty Ltd.

Bread wheat – PEAKE Ⓢ

AH quality in Victoria. Semi dwarf, awned variety with early to mid season maturity. Resistant to leaf rust and moderately resistant to moderately susceptible to stem and stripe rust. Resistant to CCN and tolerant of boron toxicity.

Tested as NGSP006 and marketed by NuSeed

Bread wheat – PUGSLEY Ⓢ

APW quality in Victoria. A mid to late season variety with good early vigour. Moderately susceptible to stem rust, moderately resistant to leaf rust and susceptible to stripe rust and yellow leaf spot. High yield potential across a range of environments but best performance in medium rainfall areas.

Tested as WI 99069, registered 2002 and marketed by PlantTech Pty Ltd.

Bread wheat – ROSELLA

Rosella, a soft noodle variety, but requires niche marketing; otherwise ASW quality. A proven winter wheat (see note page 5) with a medium growing season. Moderately resistant to stem rust, moderately susceptible to leaf rust and susceptible to CCN. Moderately resistant to moderately susceptible to stripe rust. Rosella is best suited to the medium rainfall regions of the Wimmera, central and north-east Victoria and southern NSW but is outclassed by many other varieties in terms of grain yield.

Bread wheat – SENTINEL ⬇

ASW quality in Victoria. Mid to long season variety of medium height and excellent lodging and shattering resistance. Resistant to leaf rust and resistant to moderately resistant to stem and stripe rust. Moderately resistant to moderately susceptible to yellow leaf spot and susceptible to CCN. Suited to the medium to higher rainfall regions of Victoria.

Tested as LR1075 and marketed by AWB Seeds.

Bread wheat – VENTURA ⬇

AH quality in Victoria. Medium height, semi dwarf variety with early maturity. Resistant to stem rust, moderately susceptible to stripe rust, moderately resistant to moderately susceptible to leaf rust and tolerant of root lesion nematode, black point and acid soils. Susceptible to yellow leaf spot and septoria. Prone to shattering. Best suited to medium and low rainfall on acid soils.

Tested as Sun376G and marketed by SunPrime Seeds.

Bread wheat – WAAGAN ⬇

AGP quality in Victoria with reclassification pending. White chaffed variety with awns. Moderately resistant to stripe rust, susceptible to CCN and moderately susceptible to susceptible to yellow leaf spot. Bred by AGT and Enterprise Grains Australia.

Tested as WW12410 and marketed by AGT Seeds.

Bread wheat – WYALKATCHEM ⬇

APW quality in Victoria. Susceptible to CCN, resistant to leaf rust, moderately susceptible to stem rust and moderately susceptible to susceptible to stripe rust. Short stature and reduced straw with moderate resistance to yellow leaf spot may make it attractive for stubble retention systems. Best adapted to low rainfall regions.

Tested as WAWHT2212, registered in 2001 and marketed by PlantTech Pty Ltd.

Bread wheat – YITPI ⬇

AH quality with resistance and tolerance to CCN. Moderately resistant to moderately susceptible to stripe rust and is susceptible to stem rust and moderately susceptible to leaf rust. Boron tolerant, large grain and low screenings. Yitpi has dominated production in low rainfall areas of Victoria due to

its higher yields and improved grain quality. Suits low – medium rainfall areas.

Registered 2000 and marketed by AWB Seeds.

Bread wheat – YOUNG ⬇

AH quality in Victoria. An early to mid maturing variety with moderate resistance to stem rust, moderately resistant to moderately susceptible to leaf rust, moderately susceptible to stripe rust and resistant to CCN, black point and yellow leaf spot. Seen as a replacement for Janz, H45 and Diamondbird. Has small grain size. Suited to medium rainfall areas, tolerant of acid soils.

Tested as VQ326, registered 2005 and marketed by ABB Seeds.

Biscuit wheat – BARHAM ⬇

ASFT quality in Victoria. Mid season variety which is awnless. Moderately resistant to stem and leaf rust and CCN and moderately susceptible to susceptible to stripe rust. Moderately resistant to *Pratylenchus neglectus* and susceptible to yellow leaf spot, intolerant of boron. Replacement for Bowie. Growers in high rainfall areas should be prepared to spray for stripe rust. Tested as VO2697 and marketed by ABB Seeds.

Biscuit wheat - BOWIE

ASFT quality in Victoria. An awnless variety which has moderate resistance to CCN and leaf rust but is susceptible to stem and stripe rust. It has good yield potential. Suits medium rainfall areas.

Durum – EGA BELLAROI ⬇

ADR quality with good semolina colour. Is resistant to stem and leaf rust and yellow leaf spot and moderately resistant to stripe rust. Is a mid maturing variety, earlier than Yitpi.

Registered 2002 and marketed by PlantTech Pty Ltd

Durum – HYPERNO ⬇

Feed quality in Victoria and ADR in South Australia. An awned mid-season white chaffed variety. Resistant to stem and leaf rust, moderately resistant to stripe rust and moderately resistant to sprouting and black point. Intolerant of boron.

Tested as WID22209 and marketed by AGT Seeds

Durum – JANDAROI ⬇

Feed quality in Victoria and ADR in South Australia. Semi-dwarf variety for main and late season planting. Resistant to stem, leaf and stripe rust, common root rot, yellow leaf spot and root lesion nematode and susceptible to crown rot.

Tested as TD97E and marketed by AWB Seeds

Durum - KALKA

ADR quality in Victoria. Kalka is derived from Yallaroi so has similar attributes to Yallaroi, but also has boron tolerance, moderately resistant to stem, leaf and stripe rust and very susceptible to crown rot.

Marketed by South Australian Durum Grower's Association.

Durum – SAINTLY

Feed in Victoria. An early maturing awnless variety suited to short season environments. Resistant to leaf rust, moderately resistant to stem and stripe rust and black point. Intolerant of boron.

Tested as WID22279 and marketed by South Australian Durum Grower's Association.

Feed/Dual purpose – MACKELLER

Feed quality in Victoria. A dual purpose red grained, awnless late maturing winter wheat (see note page 5) for grazing/hay as well as grain production. Resistant to BYDV and moderately resistant stem rust, resistant to stripe rust and susceptible to leaf rust.

Tested as LH64C, registered 2001 and marketed by AWB Seeds.

Feed/Dual purpose – NAPAROO

Feed quality in Victoria. An awnless long season winter variety(see note page 5) with white grain. Maturity is earlier than Mackellar and later than EGA Wedgetail. Resistant to stripe and leaf rust, resistant to moderately resistant to stem rust, moderately susceptible to crown rot and moderately susceptible to susceptible to yellow leaf spot.

Tested as SUN414F and marketed by AGT Seeds.

Feed/Dual purpose – TENNANT

Feed quality in Victoria. Red grained and awnless winter wheat (see note page 5). Resistant to stem rust, moderately resistant to stripe rust and moderately susceptible to susceptible to leaf rust. Moderately resistant to Septoria tritici. One of the later maturing winter wheats, it is suitable for hay crops or for winter grazing and grain. Growers in high rainfall areas should be prepared to spray for leaf rust.

Registered 1998 and marketed by AWB Seeds.

Feed – AMAROK

A winter wheat (see note page 5) with short straw and excellent standing ability. Suited to early winter sowing and long growing season areas of south-eastern Australia. High yielding with resistance to stripe, stem and leaf rust.

Bred in France, developed in New Zealand and marketed by GrainSearch.

Feed – FRELON

An awned feed grade red winter wheat with very high yield potential. It is a long season variety similar to Mackellar and can be suitable for dual purpose applications when early sowing is possible. It is described as having good disease resistance. Suited to high rainfall environments of SW Victoria and Gippsland.

Bred by PBI Cambridge and developed for Australia by PGG Wrightson Grain and GrainSearch. Marketed by Highleaze Seeds.

Feed – LR BEAUFORT

A red grained feed only variety. A mid to long season awnless variety with strong straw suited to early mid season sowing in medium to high rainfall environments. Resistant to leaf and stripe rust and septoria tritici.

Tested as LR1078 and marketed by GrainSearch.

Feed – SQP REVENUE

A red grained feed quality winter wheat variety (see note page 5) which is short in stature. Has good early vigour with similar maturity to Mackellar and high yield in initial testing. Southern Quality Produce report good resistance to all three rusts and suggest it will capitilise on a good season as well as performing in tougher seasons. Very limited seed available in 2009.

Bred by AusGrainz and CSIRO, tested as CSIRO 95102.1 and marketed by Southern Quality Produce.

Note

Winter wheats; These should only be grown in high rainfall, long growing season environments such as southern Victoria. They have the major advantage of adaptability to a wide range of sowing times provided sowing takes place before mid winter to allow their cold requirement to be met. Maturity varies once their cold requirement has been met. This winter habit delays flowering in early sowings, thus reducing the risk of frost damage.

Acknowledgements

This Agnote was originally developed by Angela Clough, February 2005.

It has been updated by Angela Clough, Ashley Purdue and Neil Vallance in April 2008, September 2008 and March 2009.

Table 1: Wheat variety agronomic guide

	Maximum Quality Vic	Rainfall			Screenings	Maturity	Height	Coleop length	Lodging	Sprouting	Head type		Soil tolerance	
		Low <400 mm	Med 4-500 mm	High >500 mm							Colour	Awn	Boron	Acid
BREAD WHEAT														
Annuello	AH	✓	✓		MR	M	M	M	M		W	A	I	MT
Axe	APW	✓			MR	E	M-S	MS	M		W	A	I	
Bolac	AH		✓	✓		M-L	M		M-H		W	A	I	I
Carinya	AH		✓		MR-MS	M	M		M	I	W	A	I	I
Catalina	AH		✓		MR-MS	M	M				W	AL	I	
Chara	AH	✓	✓	✓	MR	M-L	M	M-S	M-H		W	A	MI	MT
Clearfield JNZ	AH	✓	✓			M	M				W	A	I	
Correll	AH	✓	✓		MR	M	M	ML	M		W	A	MT	
Derrimut	AH	✓	✓		MS	E-M	M-S				W	A	MT	
Drysdale	APW	✓	✓		MS*	M	M				W	A	I	MT
EGAGregory	APW		✓	✓		M-L	M		M		W	A		MT
EGAWedgetail	APW			✓	MR	ML(wM)	M		M		W	A	I	MT
Frame	APW	✓	✓		R	M	M	ML	L	I	W	A	MT	
GBARuby	ASW	✓	✓			M	M				W	A		MT
Gladius	AH	✓	✓		MR	M	M				W	A	T	
Guardian	APW		✓	✓	MR	M	M		H	I	W	A	MT	
H46	APW	✓	✓		MS*	E	M-T		M	I	W	A	I	I
Janz	AH	✓	✓		MS	M	M	M	M	I	W	A	I	I
Kellalac	APW		✓	✓	MS	L	M	M	M	I	W	A	MI	I
Lincoln	AH		✓		MR	M	M		M		W	A		
Livingston	AH	✓	✓			E-M	M		M	I	W	A		MT
Meering	AH	✓	✓		MS	E-M	M	MS	M	I	W	A	MI	
Mitre	AH	✓	✓		S*	M	M	M	M		W	A	MI	
Ouyen	AH		✓		S	M	M	M	M	I	W	A	MI	
Peake	AH	✓	✓		MR	E-M	M-S				W	A	T	
Pugsley	APW		✓		MR	M	M	L	M	I	W	A	MT	I
Rosella	ASWN		✓	✓	MS	ML(w)	M	ML	M	I	W	A	I	I
Ventura	AH	✓	✓		MR	E-M	M		M	I	W	A	I	MT
Whistler	ASW		✓	✓		ML(w)	M		M		W	A	MI	T
Wyalkatchem	ASW	✓			R	E	S	MS	M		W	A		
Yitpi	AH	✓	✓		MR	M	ML	ML	M		W	A	MT	
Young	AH	✓	✓		MS	E-M	M	M	M-L	I	W	A	I	MT
BISCUIT WHEAT														
Barham	ASFT		✓	✓		M	M		H		W	AL	I	
Bowie	ASFT		✓		MR	M	M	MS	M	I	W	AL	MI	
DURUM														
EGABellaroi		✓			R	M	S-M		H	T	W	A	I	I
Kalka			✓		MR	M	M				W	A	T	
FEED WHEAT														
Amarok	Feed			✓		L	S		H					
Brennan	Feed			✓		VL(w)	M	L	H	I	W	AL		
Frelon	Feed			✓		L					R	A		
Mackeller	Feed			✓		L		M		T	R	AL		
Marombi	Feed			✓		L				MR	R	AL		
Tennant	Feed			✓		VL(w)	M	M	H	T	W	AL		

LS = late sown

Maturity: (w) = winter, VL = very late, L = late, M = mid, E = early, VE = very early.

Height; S = short, M = medium, T = tall

Lodging resistance; L = low, M = medium, H = high

Head Colour; W = white, B = black, R = red

Coleoptile length; S = short, M = medium, L = long

Sprouting/Soil tolerance; I = intolerant, T = tolerant

Head type; A = awned, AL = awnless.

Table 2: Wheat variety disease rating guide

	Rust			CCN		Yellow leaf spot	Septoria tritici	Root lesion nematode				Crown rot	Common root rot	Black tip*	Flag smut
	Stem	Stripe	Leaf	Res	Tol			P. neglectus		P. thornei					
								Res	Tol	Res	Tol				
BREAD WHEAT															
Annuello	R	MS-S	MR	R	I	MS-S	S	MS-S	MI	S	-	S	-	MR-MS*	MR
Axe	MS	MR	MR	S	-	S	MS	S		S		S	MS-S	MS-S	S
Bolac	MR-MS	R-MR	MS	S	I	MS-S	MS	S	-	MS	-	S	S	MR-MS	R-MR
Bullet	MR*	MS-S	MR-MS	MR	-	MR-MS	S	-	-	-	I	S	S-VS	MR-MS	S
Camm	S	MS-S ^{Yr17}	S	S	MI	S	S	MS	-	MS*	-	S	MS-S	MS*	MR
Carinya	MR	MR-MS ^{Yr17}	MR	S	-	S	MS	S	-	MS-S	-	S	MS-S	S	MS
Catalina	MR	MR-MS	MR	R	-	MS-S	MS-S	S	-	MS	-	S	MR-MS	MS	R-MR
Chara	MR-MS	MS-S	MS	R	MI	MS-S	MS-S	S	MT	MR	MT	S	S	MS	MR
Clearfield JNZ	MR	MS	MS	S	I	S	MS	MS-S	MI	S	-	S	MS-S	S	R-MR
Correll	MR-MS	MR-MS	MS	MR	-	S-VS	MS	S	-	MS	-	S	MS-S	MR-MS	R
Crusader	R-MR	MR-MS ^{Yr17}	MR	MS	-	MR	MS-S	S	-	S	MT-MI	S*	MR-MS	MR	MR-MS
Derrimut	R-MR	MS ^{Yr17}	R	R	-	MS-S	MS-S	S	-	MS-S	-	S	S	S	R
Drysdale	MR	MS	MS	S	-	MS-S	MS-S	MS-S	-	-	-	-	S-VS*	MS*	MR
EGA Gregory	MR-MS	R-MR	MR	S	-	MS-S*	MS*	-	-	MS-S*	MR	S	-	MS*	R
EGA Wedgetail	MR-MS	MR-MS	MS	S	-	MS-S	MR	-	-	-	-	S	-	MS*	MR-MS
Espada	MR	MR-MS ^{Yr17}	MR	MS	-	MS	MS-S	MS	-	S	-	S	MS-S	MS-S	MS
Frame	MS	MR-MS	MS	MR	MT	S-VS	MS	MS-S	MT	S	MI	S	S	MS	MR
GBA Ruby	MS	R-MR ^{Yr27}	MR	S	-	MR-MS	MR-MS*	-	-	-	-	S	MS	MS	S
Gladius	MR	MR-MS ^{Yr17}	MS	MS	-	MS	S	MS-S	-	MS-S	-	S	MS	MR*	R-MR
Guardian	MR	MS	MS	R	-	MS-S	MS	S	-	MS	MT-MI	S	MS	MR-MS	S
H46	MR-MS	VS ^{Yr17}	R	S	MI	MR-MS	VS	MS	-	MS-S	-	S	MS-S	MR-MS	R-MR
Janz	MR	MR-MS	MS	S	I	S	MS	MS-S	MI	S	MI	MS-S	MS-S	S	R
Kellalac	MS-S	MR-MS	S-VS	MR	MI	S	MS	-	-	S	MT	-	-	-	R
Lincoln	MR	R-MR	R-MR*	S	-	MR-MS	MS-S	-	-	-	I	S-VS	MS*	MR-MS	R
Livingston	MR	R	R-MR	S	-	MS-S	-	S	-	MR	-	S	MS-S	-	R*
Meering	S	MS	MS	S	I	S	S	S	-	S	MI	S	MS-S	S*	R
Merinda	R-MR	R-MR ^{Yr27}	MR	S	-	S	S-VS*	S	-	MR	-	MS-S	MS-S	MR*	MS-S
Mitre	R-MR	MS-S	MS	R	MI	S	MS-S	S	-	S	-	S	S	S-VS*	MR
Peake	MR-MS	MR-MS	R	R	-	MS-S*	S*	S	-	MS	-	S	S	MS-S	MR-MS
Pugsley	MS	S ^{Yr17}	MR	MS	MI	S	MS	S	MT	-	-	S	MS	MS	MR
Rosella	MR	MR-MS	MS	S	I	MS-S	MS	MS	I	S	-	VS	S	S	S
Sentinel	R-MR	R-MR	R-MR	S	-	MR-MS	MS-S	S	-	MS	MT-MI	MS-S	-	R-MR	MS-S
Ventura	R#	MS ^{Yr17}	MR-MS	S	-	MS-S	MS	MS-S	-	MR	-	MS	MS-S	MR	MR
Waagan	MS	MR ^{Yr27}	MR-MS	S	-	MS*	MS	S	-	S	-	S	S	-	MS
Wyalkatchem	MS	MS-S	R	S	MI	MR-MS	MR-MS	MR	MT-T	S*	-	S	S	MS	S
Yitpi	S	MR-MS	MS	MR	MT	S-VS	MS	MR-MS	MT	S	-	S	MS	MS	MR
Young	MR	MS ^{Yr17}	MR-MS	R	-	MR-MS	MS*	S	-	MS	-	S	MS-S	MR*	MS
BISCUIT WHEAT															
Barham	MR	MS-S ^{Yr17}	MR	MR	-	MS-S	MS-S	MR	-	MS	-	S	MS-S	MS	MR-MS
Bowie	S*	S ^{Yr17}	MR#	MR	MT	S	MS	MR	MT	MS	MI	S	S	MR-MS	MS
Yenda	R	MS-S ^{Yr17}	R	S	-	MR	MS-S	MR*	MT-T*	S	-	S	MS-S	-	MR
DURUM															
Hyperno	R	MR	R	MS	-	-	-	MR-MS	-	-	-	VS	-	MR	-
Kalka	MR	MR	MR	MS	MT	MR	MS	MR-MS	-	R*	-	VS	-	-	R
Saintly	MR	MR	R	MS	-	-	-	MR-MS	-	-	-	VS	-	MR*	-
FEED WHEAT															
LR Beaufort	-	R*	S	-	-	MS-S*	MR*	-	-	-	-	MS-S*	-	-	R-MR
Brennan	MS-S	R	R	-	-	MS	MR	-	-	-	-	-	-	-	R
Mackellar	MR	R	S	-	-	MS	MR	-	-	-	-	-	R	-	MS*
Tennant	R	MR	MS-S	-	-	MR	R	-	-	-	-	-	-	-	MS

Varieties marked may no longer be resistant due to the occurrence of new races making these varieties susceptible.

* These ratings are less reliable and should be treated with caution. ^{Yr17} Has the stripe rust resistance gene *Yr17* which is effective against the "WA", "Jackie" and "Jackie Yr27" pathotypes, but ineffective against the "WA Yr17" pathotype for which the expected field rating is shown. ^{Yr27#} These lines have effective resistance against the "WA", "WA Yr17" and "Jackie" pathotypes, but will be more susceptible to the to the "Jackie Yr27" pathotype. The degree of susceptibility is, however, unknown.

R= Resistant MR = Moderately resistant MS = Moderately susceptible S = Susceptible VS = Very susceptible
T = Tolerant MT = Moderately tolerant MI = Moderately intolerant I = Intolerant

Table 3: State long term (2000-2008) predicted average yield performance data expressed as a percentage of Yitpi (Mallee, Wimmera, North Central), Janz (North East) and number of site years on which average is based is in brackets.

	Mallee	Wimmera	Nth Central	Nth East
Yitpi t/ha	2.02	2.73	2.89	
Janz t/ha				3.77
BREAD				
AGT Sythe	99(31)	98(10)	99(4)	102(7)
Axe	103(35)	102(13)	100(8)	104(11)
Bolac	*	95(7)	98(5)	103(38)
Bullet	100(15)	98(6)	99(4)	102(6)
Bumper	102(18)	103(3)	*	*
Carinya	95(28)	96(14)	99(7)	105(8)
Catalina	97(24)	96(7)	98(5)	101(8)
Chara	86(47)	92(36)	97(32)	99(35)
Correll	102(35)	101(13)	100(8)	104(11)
Crusader	90(6)	91(4)	93(4)	98(6)
Dakota	92(15)	93(6)	96(4)	99(6)
Derrimut	100(35)	101(13)	101(8)	105(11)
Drysdale	91(23)	94(22)	95(13)	100(15)
EGA Bounty	*	*	*	102(3)
EGA Gregory	*	92(6)	95(7)	102(11)
EGA Wentworth	96(20)	97(11)	97(6)	101(8)
Ellison	*	89(7)	92(3)	97(5)
Endure	93(9)	*	*	*
Espada	103(24)	103(7)	103(5)	109(8)
Fang	99(6)	99(4)	*	106(3)
Gascoigne	*	*	*	106(3)
GBA Hunter	101(14)	*	103(3)	110(5)
GBA Ruby	99(41)	100(20)	101(13)	108(20)
Giles	*	97(7)	98(5)	102(5)
Gladius	104(33)	102(12)	102(7)	107(11)
Gruner	*	*	*	101(3)
Guardian	96(24)	97(7)	99(5)	104(8)
Hornet	96(6)	96(4)	*	101(6)
Janz	93(75)	93(36)	96(27)	100(36)
Kellalac	*	*	93(3)	98(3)
Lincoln	101(24)	100(7)	102(4)	107(6)
Magenta	100(24)	101(7)	*	108(4)
McCubbin	*	*	*	103(3)
Merinda	*	97(5)	99(5)	104(8)
Peake	100(35)	100(13)	97(8)	100(11)
Pugsley	*	102(21)	102(16)	109(24)
Rosella	83(14)	83(39)	90(32)	93(39)
Sentinel	*	97(13)	99(10)	105(13)
Sunvex	*	91(5)	92(3)	96(5)
Ventura	94(28)	92(15)	97(12)	103(16)
Waagan	103(26)	103(8)	102(6)	107(8)
Whistler	*	93(5)	95(12)	100(23)
Wylah	86(7)	87(10)	90(15)	97(27)
Yitpi	100(84)	100(38)	100(26)	102(25)
Young	103(43)	101(18)	100(12)	106(16)
Zebu	*	*	*	106(3)
Zulu	*	*	*	106(3)
BISCUIT				
Barham	98(9)	98(26)	96(20)	99(26)
Bowie	95(4)	95(32)	94(23)	100(31)

Source: NVT Online (National Variety Trials) www.nvtonline.com.au

Table 3 (Continued): State long term (2000-2008) predicted average yield performance data expressed as a percentage of Kellalac (Long Season) and number of site years on which average is based is in brackets.

	Nth East	Sth West
Kellalac t/ha	3.20	4.77
BREAD		
Bolac	113(6)	116(18)
Chara	104(8)	103(25)
Currawong	107(4)	104(13)
EGA Eaglehawk	105(6)	99(18)
EGA Gregory	107(5)	101(15)
EGA Wedgetail	101(9)	101(27)
Endure	*	102(6)
Gascoigne	*	106(6)
Gruner	107(3)	108(9)
Kellalac	100(9)	100(28)
Lincoln	*	107(3)
McCubbin	*	110(6)
Rosella	96(3)	97(10)
Sentinel	110(5)	106(15)
Sunzell	103(3)	100(9)
Whistler	103(6)	102(16)
BISCUIT		
Barham	*	100(6)
FEED		
Amarok	98(4)	104(14)
Beaufort	123(3)	125(9)
Frelon	*	120(10)
Mackellar	109(4)	112(25)
Marombi	*	109(6)
Naparoo	*	96(6)
Rudd	105(4)	104(22)
Tennant	99(6)	102(28)

Source: NVT Online (National Variety Trials) www.nvtonline.com.au

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