



# NVT HARVEST REPORT



MARCH 2024



**High rainfall South Australia, Victoria and Tasmania**  
**Southern Region**





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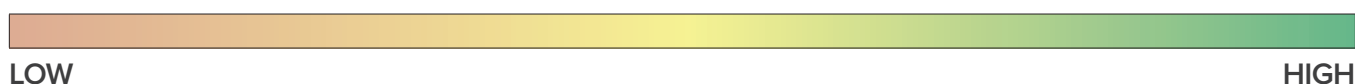
# CONTENTS



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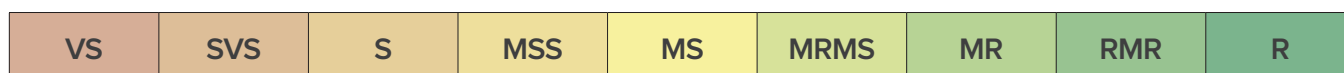
INTRODUCTION	4
WHEAT	6
BARLEY	18
OAT	25
CANOLA	29
FABA BEAN	35
LUPIN	37
USEFUL NVT TOOLS	39

## LEGEND: MEAN VARIETY YIELD PERFORMANCE



Long-term mean yield illustrated by colour gradient from low (red) to high (green)

## DISEASE RATING COLOUR RANGE



Disease severity scale from very susceptible (VS) to resistant (R)

The disease ratings in the report are current at the time of publication.

Regularly visit [nvt.grdc.com.au/nvt-disease-ratings](http://nvt.grdc.com.au/nvt-disease-ratings) to find the latest NVT disease ratings.

Refer to the latest *Crop Sowing Guide* for further information at  
[nvt.grdc.com.au/resources/crop-sowing-guides](http://nvt.grdc.com.au/resources/crop-sowing-guides)

# INTRODUCTION

*The NVT Harvest Report - High rainfall South Australia, Victoria and Tasmania* provides information to support growers and advisers with decisions on variety selection for **High rainfall South Australia, Victoria and Tasmania**. The information has been generated from the Grains Research and Development Corporation's (GRDC) National Variety Trials (NVT) database. This publication provides a summary of the 2023 and long-term yield performance of varieties of crop species suitable for production in **High rainfall South Australia, Victoria and Tasmania** together with their quality and disease responses.

The NVT program provides growers and advisers with comparative results on yield performance, quality and disease resistance ratings of commercially available grain varieties that is independent, consistent, timely and robust.

Conducted to a set of predetermined protocols, trials are sown and managed to reflect local best practice such as sowing time, fertiliser application, weed management, pest/disease control and fungicide application. The NVT is not designed to grow varieties to their maximum yield potential.

GRDC recognises that sustaining a project of this nature hinges on the collaboration of growers who willingly provide sites and often lend a hand in trial management on their properties. Equally significant is the partnership with seed companies who supply seed of commercial varieties and experimental lines to the program.

## Interpreting long-term yield results

A factor analytic (FA) mixed model approach is used in the multi-environment trial (MET) analysis conducted by GRDC, supported by the Analytics for the Australian Grains Industry (AAGI).

This approach generates long-term MET values for varieties at an individual trial level.

This format provides more detailed results to better understand a variety's performance over several years at the individual trial/environment level, rather than just a single averaged value.

In the *NVT Harvest Report - High rainfall South Australia, Victoria and Tasmania*, results are presented in year groupings for yield for the past five years and quality for the past two years. Further detailed interrogation of the NVT Online results using the Long Term Yield Reporter will provide more specific performance results on all varieties of each crop species in each NVT location throughout **High rainfall South Australia, Victoria and Tasmania**.

The results presented in this Harvest Report are based on the default filters in the Long Term Yield Reporter. In some cases, trial results are excluded because they do not meet the default standards for statistical validity. These are listed in the tables as 'Trial results below standard'. Trials below standard can be viewed by reducing the default VAF settings within the [Long Term Yield Reporter](#).

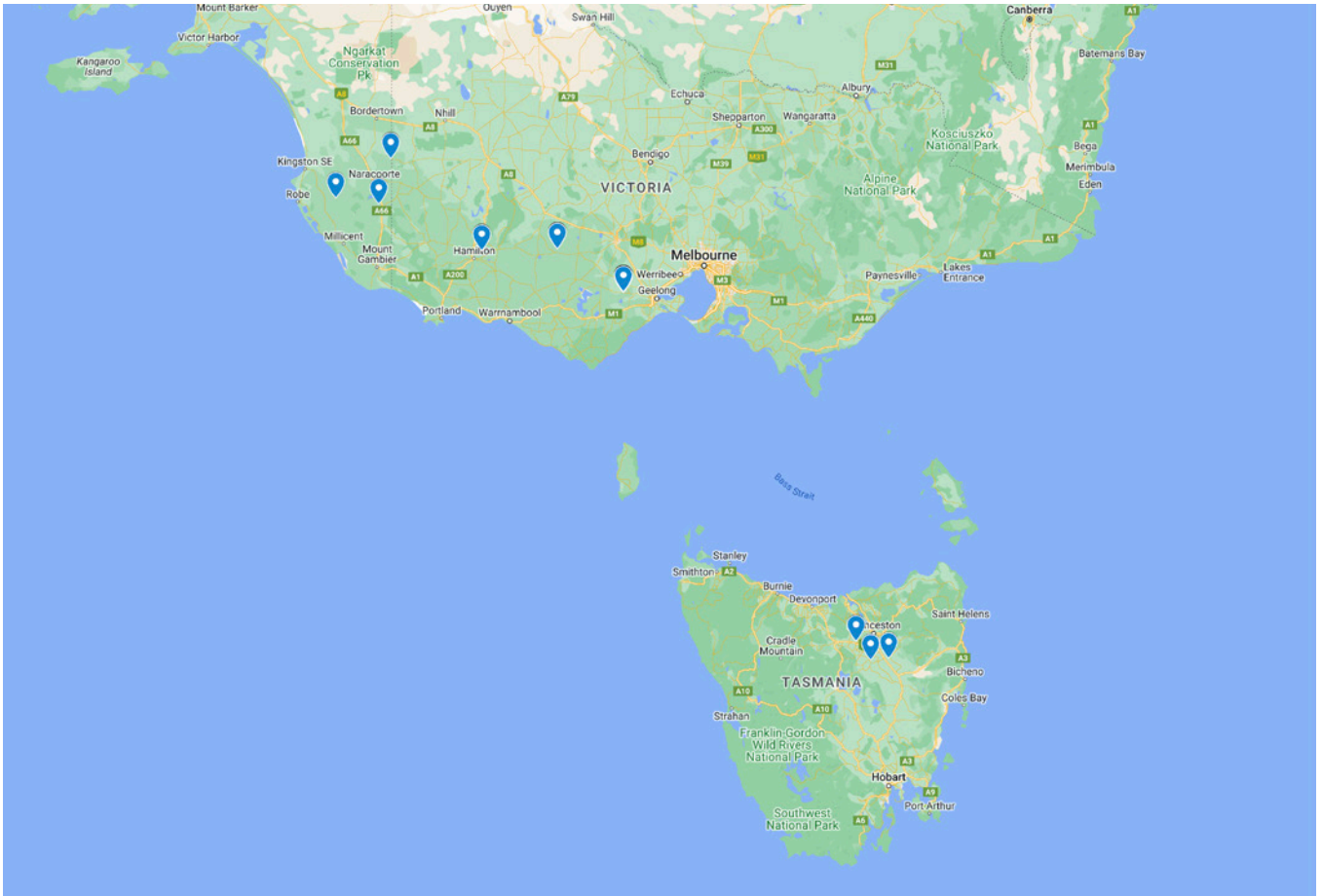
Trials listed as compromised are not suitable for making variety decisions. Results can be found in the [Quarantined trial reports](#).

Refer to the latest *Crop Sowing Guide* for further information at [nvt.grdc.com.au/resources/crop-sowing-guides](http://nvt.grdc.com.au/resources/crop-sowing-guides)

# NVT SITE LOCATIONS – High rainfall South Australia, Victoria and Tasmania

Figure 1: Locality of NVT trial sites in High rainfall South Australia, Victoria and Tasmania from 2019 to 2023.

SOURCE: NVT Online



See all NVT trial locations and view trial results at [nvt.grdc.com.au/trial-results](http://nvt.grdc.com.au/trial-results).

# WHEAT

## New wheat varieties

The following information is for wheat varieties released in the 12 months to the date when the MET analysis was published on NVT online. Please go to [nvt.grdc.com.au](http://nvt.grdc.com.au) to find trial results for any new varieties released since the publication of this harvest report.

Variety	Breeding company	Grain classification	End point royalty* (\$)	Comments supplied by breeding company <sup>1</sup>
Genie <sup>Ⓓ</sup>	InterGrain		3.50	Genie <sup>Ⓓ</sup> is a mid-slow maturing wheat and is an excellent alternative to RockStar <sup>Ⓓ</sup> in greater than three tonne per hectare yield environments. In these environments, the variety offers medium-high rainfall growers a yield improvement compared with RockStar <sup>Ⓓ</sup> . Genie <sup>Ⓓ</sup> , with its slightly later maturity than RockStar <sup>Ⓓ</sup> and long coleoptile, enables earlier sowing opportunities to be maximised. Genie <sup>Ⓓ</sup> has an excellent disease resistance package including useful stem rust and stripe rust resistances. It offers good test weight, moderate grain size and has a medium plant height. Preliminary internal data indicates Genie <sup>Ⓓ</sup> has good sprouting tolerance. Genie <sup>Ⓓ</sup> has an AH classification in the western and southern zones and an AH classification is expected for the south-eastern and northern zones in 2024.
Longford	Australian Grain and Forage Seeds		3.85	Longford is a long season, high yield potential red wheat with a strong disease package and lodging tolerance. Longford is suited to dual purpose (graze/grain) or grain-only farming systems.
LRPB Major <sup>Ⓓ</sup>	LongReach Plant Breeders		TBC	Mid-slow maturing spring wheat (similar to Beckom <sup>Ⓓ</sup> and RockStar <sup>Ⓓ</sup> ) suitable for early to mid May seeding opportunities throughout southern NSW. Good disease package for southern NSW and Victorian production systems with improved Septoria resistance over its Beckom <sup>Ⓓ</sup> parent. Strong yield performance in both acidic and sodic soil yield trials. AH classification southern NSW, Victoria and South Australia. Marketed by Pacific Seeds.

\* EPR amount is ex-GST, <sup>Ⓓ</sup> denotes Plant Breeder's Rights apply. <sup>1</sup> All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder.

WHEAT

BARLEY

OAT

CANOLA

FABA BEAN

LUPIN

Refer to the latest *Crop Sowing Guide* for further information at [nvt.grdc.com.au/resources/crop-sowing-guides](http://nvt.grdc.com.au/resources/crop-sowing-guides)

## Wheat variety yield performance – High rainfall South Australia, Victoria and Tasmania

Yield results are presented from the top-performing varieties within each NVT location in the region for the past five seasons. Results are presented (as a percentage) for each variety relative to the mean trial yield for the location within each year. Varieties are listed in descending order of average yield over the period.

The Long Term Yield Reporter provides additional information on varieties not listed and can be viewed as a table or chart with error bars. Rainfall is provided for January to March (J–M) and April to October (A–O) and, where relevant, irrigation from April to October.

**Table 1: Conmurra early season wheat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	8.11	6.39		5.29	6.24
BigRed <sup>db</sup>			Compromised trial	140	124
RGT Waugh <sup>db</sup>		110		140	117
RGT Accroc <sup>db</sup>	123	111		134	123
RGT Cesario <sup>db</sup>		108		132	122
RGT Calabro	121	109		131	117
LRPB Beaufort <sup>db</sup>	112	114		118	112
Manning <sup>db</sup>	117	97		126	114
RGT Zanzibar	109	114		116	107
Stockade <sup>db</sup>				115	109
RockStar <sup>db</sup>	110	114		106	101
EG Jet <sup>db</sup>	108	107		112	103
DS Bennett <sup>db</sup>	105	103		110	112
Genie <sup>db</sup>					102
Severn <sup>db</sup>				110	102
LRPB Scotch <sup>db</sup>				106	99
Sowing date	17 Apr	28 Apr	17 Apr	20 Apr	18 May
Rainfall J–M (mm)	53	61	83	35	56
Rainfall A–O (mm)	429	385	405	451	407

Special thanks to 2023 trial cooperator, Brad Hocking. Learn more via the [NVT Long Term Yield Reporter](#)

**Table 3: Inverleigh early season wheat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	6.67	5.36	7.00	5.21	5.20
RGT Waugh <sup>db</sup>		104	123	146	108
BigRed <sup>db</sup>			125	138	107
Longford			115	143	100
IGW6755					112
RockStar <sup>db</sup>	115	123	111	108	120
RGT Accroc <sup>db</sup>	116	95	123	131	105
RGT Calabro	119	97	118	132	103
LRPB Beaufort <sup>db</sup>	112	105	113	116	108
Genie <sup>db</sup>					111
RGT Zanzibar	115	108	107	116	106
RGT Cesario <sup>db</sup>		89	120	128	99
EG Jet <sup>db</sup>	115	107	104	115	104
Manning <sup>db</sup>	111	87	114	127	94
Severn <sup>db</sup>			103	113	102
Stockade <sup>db</sup>			107	114	101
Sowing date	4 May	8 May	29 Apr	4 May	8 May
Rainfall J–M (mm)	47	112	94	133	67
Rainfall A–O (mm)	320	327	332	333	284

Special thanks to 2023 trial cooperator, Leighview Ag. Learn more via the [NVT Long Term Yield Reporter](#)

**Table 2: Hamilton early season wheat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	6.24	7.92	5.21	4.37	5.25
BigRed <sup>db</sup>			120	119	110
RGT Accroc <sup>db</sup>	107	113	122	113	109
LRPB Beaufort <sup>db</sup>	111	111	112	117	109
RGT Cesario <sup>db</sup>		112	121	111	105
RockStar <sup>db</sup>	116	107	102	111	114
RGT Zanzibar	110	109	103	118	105
RGT Calabro	104	110	111	110	105
Willaura <sup>db</sup>			127	99	107
DS Bennett <sup>db</sup>	103	107	117	106	104
RGT Waugh <sup>db</sup>		110	106	109	106
Genie <sup>db</sup>					108
Stockade <sup>db</sup>			105	110	102
Longford			102	113	100
IGW6755					107
LRPB Major <sup>db</sup>				108	104
Sowing date	16 May	14 May	7 May	2 May	24 May
Rainfall J–M (mm)	33	85	107	80	111
Rainfall A–O (mm)	422	509	419	521	374

Special thanks to 2023 trial cooperator, Robertson Partnership. Learn more via the [NVT Long Term Yield Reporter](#)

**Table 4: Streatham early season wheat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	5.20		7.40	5.69	5.00
BigRed <sup>db</sup>		Compromised trial	126	147	93
RGT Accroc <sup>db</sup>	100		124	143	93
RGT Waugh <sup>db</sup>			113	148	89
RGT Cesario <sup>db</sup>			124	141	88
LRPB Beaufort <sup>db</sup>	108		116	120	104
RGT Calabro	100		116	138	90
RockStar <sup>db</sup>	123		103	103	120
Longford			113	143	83
RGT Zanzibar	109		111	114	102
IGW6755					106
Genie <sup>db</sup>					110
DS Bennett <sup>db</sup>	95		115	114	98
Stockade <sup>db</sup>			110	117	96
Manning <sup>db</sup>	89		109	136	81
Willaura <sup>db</sup>			116	102	106
Sowing date	15 May	28 Apr	1 May	10 May	15 May
Rainfall J–M (mm)	31	80	174	95	84
Rainfall A–O (mm)	402	385	409	461	265

Special thanks to 2023 trial cooperator, Blythvale Pastoral. Learn more via the [NVT Long Term Yield Reporter](#)

WHEAT

BARLEY

OAT

CANOLA

FABA BEAN

LUPIN

**Table 5: Conmurra long season wheat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)		6.17		5.80	6.33
RGT Calabro		118		124	121
Longford				131	115
RGT Accroc <sup>db</sup>		114		119	124
BigRed <sup>db</sup>				127	115
Anapurna		111		129	112
RGT Waugh <sup>db</sup>				130	113
RGT Cesario <sup>db</sup>				119	118
LRPB Beaufort <sup>db</sup>	No trial	117	No trial	117	111
Manning <sup>db</sup>		108		108	115
RGT Zanzibar		112		112	104
Stockade <sup>db</sup>				108	107
SQP Revenue <sup>db</sup>		104		92	112
Willaura <sup>db</sup>				90	106
Einstein		97		96	107
DS Bennett <sup>db</sup>		101		84	111
<b>Sowing date</b>		<b>16 Apr</b>		<b>20 Apr</b>	<b>4 May</b>
<b>Rainfall J–M (mm)</b>		<b>61</b>		<b>35</b>	<b>56</b>
<b>Rainfall A–O (mm)</b>		<b>385</b>		<b>451</b>	<b>407</b>

Special thanks to 2023 trial cooperator, Brad Hocking.  
Learn more via the [NVT Long Term Yield Reporter](#)

**Table 6: Cressy/Evandale/Westbury long season wheat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	11.41	10.69	10.91	10.17	6.99
Longford			121	123	112
BigRed <sup>db</sup>			121	122	110
RGT Cesario <sup>db</sup>		114	124	116	108
RGT Waugh <sup>db</sup>		114	121	119	111
RGT Accroc <sup>db</sup>	112	112	120	112	111
Anapurna	103	112	115	124	111
RGT Calabro	107	113	117	113	113
Manning <sup>db</sup>	105	110	117	99	106
Stockade <sup>db</sup>				113	103
IGW6755			113	101	95
LRPB Beaufort <sup>db</sup>	109	96	92	108	111
SQP Revenue <sup>db</sup>	109	100	105	94	100
Einstein	107	99	107	89	99
DS Bennett <sup>db</sup>	108	100	105	88	98
RGT Ivory	93	104	108	99	92
<b>Sowing date</b>	<b>20 May</b>	<b>14 Apr</b>	<b>24 Apr</b>	<b>27 Apr</b>	<b>25 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>114</b>	<b>170</b>	<b>159</b>	<b>85</b>	<b>103</b>
<b>Rainfall A–O (mm)</b>	<b>325</b>	<b>369</b>	<b>512</b>	<b>452</b>	<b>341</b>
<b>Irrigation A–O (mm)</b>					<b>64</b>

Special thanks to 2023 trial cooperator, Fordell Farms.  
Learn more via the [NVT Long Term Yield Reporter](#)

**Table 7: Hamilton long season wheat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	6.03	7.96	4.71		5.58
RGT Accroc <sup>db</sup>	112	114	132		111
RGT Cesario <sup>db</sup>		117	130		111
Stockade <sup>db</sup>			117		110
BigRed <sup>db</sup>			118		116
IGW6755			122		109
Anapurna	108	114	110		117
Longford			110		117
RGT Calabro	111	102	113	Trial failed	114
SQP Revenue <sup>db</sup>	109	107	124		98
LRPB Beaufort <sup>db</sup>	116	107	103		105
DS Bennett <sup>db</sup>	108	104	125		95
RGT Waugh <sup>db</sup>		107	110		112
Willaura <sup>db</sup>					103
RGT Zanzibar	111	101	92		103
Manning <sup>db</sup>	100	94	113		104
<b>Sowing date</b>	<b>9 May</b>	<b>19 Apr</b>	<b>15 Apr</b>	<b>18 Apr</b>	<b>20 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>33</b>	<b>85</b>	<b>107</b>	<b>80</b>	<b>111</b>
<b>Rainfall A–O (mm)</b>	<b>422</b>	<b>509</b>	<b>419</b>	<b>521</b>	<b>374</b>

Special thanks to 2023 trial cooperator, Robertson Partnership.  
Learn more via the [NVT Long Term Yield Reporter](#)

**Table 8: Streatham long season wheat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	5.28			5.81	5.33
RGT Calabro	113			127	105
Anapurna	100			127	112
LRPB Beaufort <sup>db</sup>	119			106	116
BigRed <sup>db</sup>				129	107
Longford				134	104
RGT Accroc <sup>db</sup>	108	Compromised trial	Compromised trial	123	103
Willaura <sup>db</sup>				86	115
RGT Zanzibar	113			102	114
Stockade <sup>db</sup>				106	113
IGW6755				89	113
RGT Cesario <sup>db</sup>				125	100
RGT Waugh <sup>db</sup>				135	96
Manning <sup>db</sup>	102			118	89
SQP Revenue <sup>db</sup>	112			95	99
Severn <sup>db</sup>				99	100
<b>Sowing date</b>	<b>1 May</b>	<b>15 Apr</b>	<b>13 Apr</b>	<b>18 Apr</b>	<b>26 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>31</b>	<b>80</b>	<b>174</b>	<b>95</b>	<b>84</b>
<b>Rainfall A–O (mm)</b>	<b>402</b>	<b>385</b>	<b>409</b>	<b>461</b>	<b>265</b>

Special thanks to 2023 trial cooperator, Blythvale Pastoral.  
Learn more via the [NVT Long Term Yield Reporter](#)

WHEAT  
BARLEY  
OAT  
CANOLA  
FABA BEAN  
LUPIN



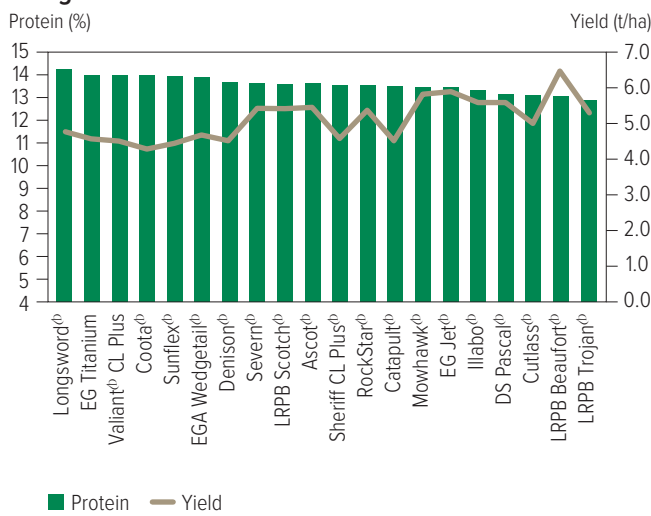
## Wheat variety quality – High rainfall South Australia, Victoria and Tasmania

Grain quality for individual varieties varies from site to site and from year to year. However, long-term and across-site trends highlight varieties that can consistently achieve high protein percentage, high test weight or low grain screenings under a wider range of environments.

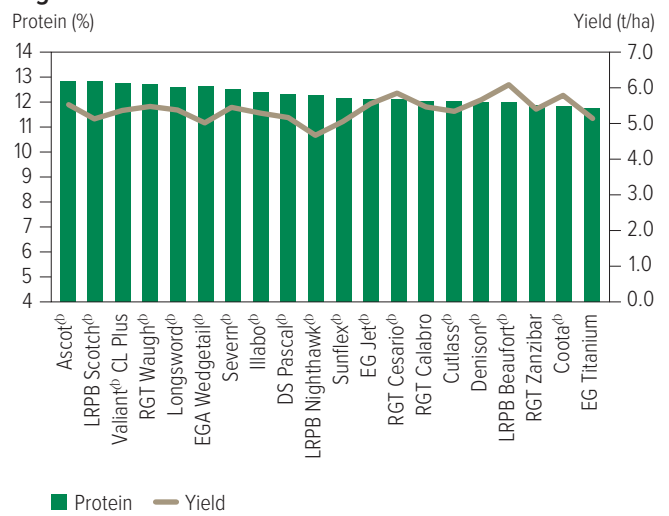
The following figures show the grain quality trends as histograms from 2022 and 2023 NVT averaged for trials in the High rainfall South Australia, Victoria and Tasmania region. Only the varieties evaluated at every site are included. These are plotted in order of performance, up to a maximum of 20.

### Protein and yield comparisons

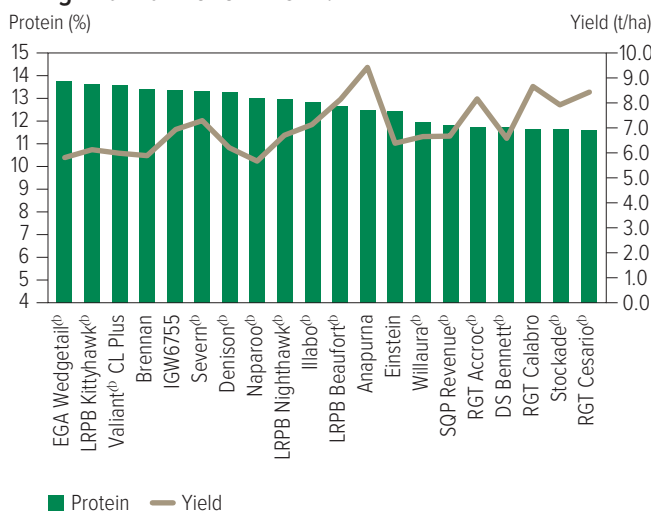
**Figure 1: Protein (%) and yield (t/ha) comparisons for early season wheat varieties from four NVT sites in High Rainfall Zone in 2022.**



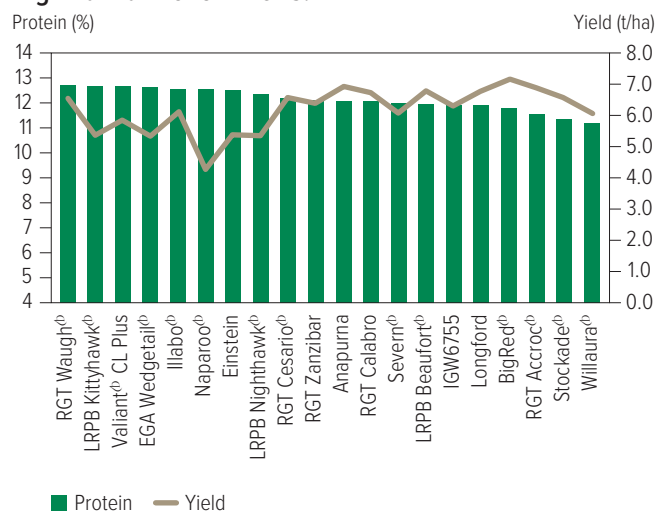
**Figure 2: Protein (%) and yield (t/ha) comparisons for early season wheat varieties from four NVT sites in High Rainfall Zone in 2023.**



**Figure 3: Protein (%) and yield (t/ha) comparisons for long season wheat varieties from three NVT sites in High Rainfall Zone in 2022.**



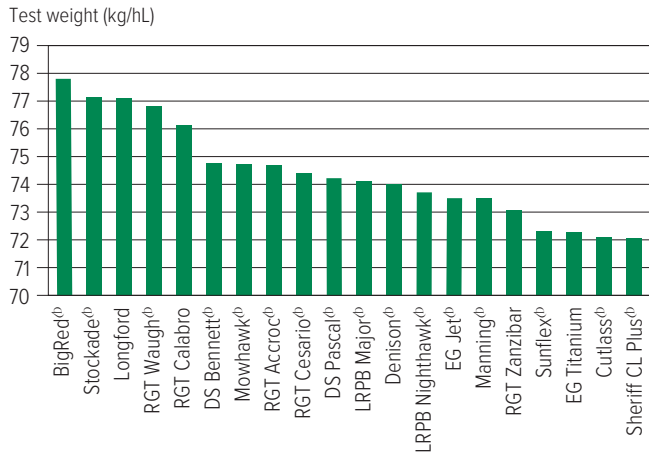
**Figure 4: Protein (%) and yield (t/ha) comparisons for long season wheat varieties from four NVT sites in High Rainfall Zone in 2023.**



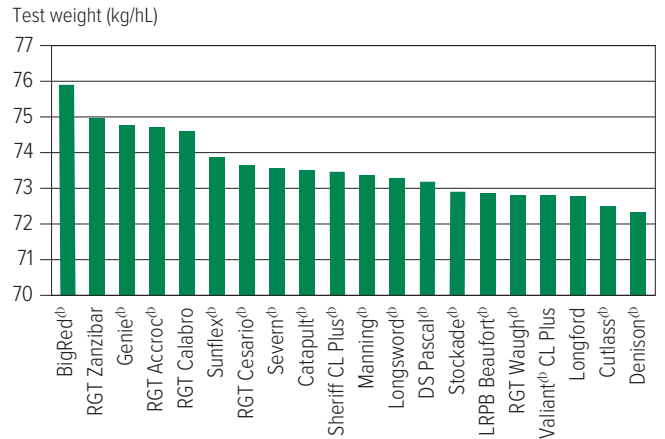
WHEAT  
BARLEY  
OAT  
CANOLA  
FABA BEAN  
LUPIN

## Test weight comparisons

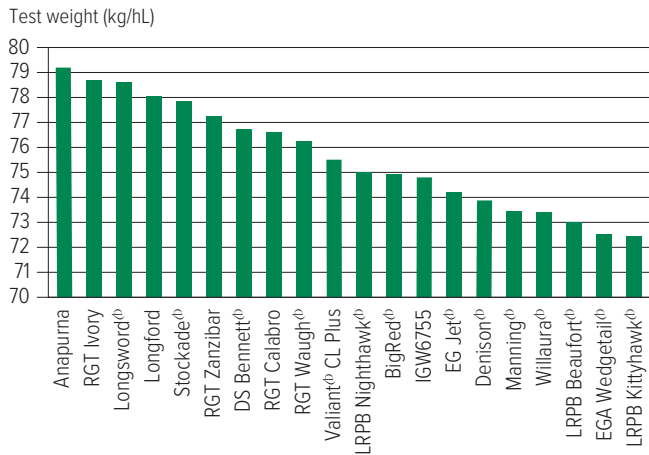
**Figure 5: Test weight (kg/hL) comparisons for early season wheat varieties from four NVT sites in High Rainfall Zone in 2022.**



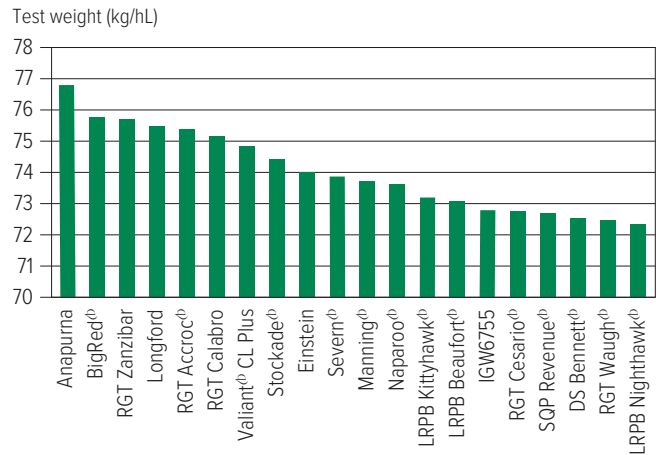
**Figure 6: Test weight (kg/hL) comparisons for early season wheat varieties from four NVT sites in High Rainfall Zone in 2023.**



**Figure 7: Test weight (kg/hL) comparisons for long season wheat varieties from three NVT sites in High Rainfall Zone in 2022.**



**Figure 8: Test weight (kg/hL) comparisons for long season wheat varieties from four NVT sites in High Rainfall Zone in 2023.**



WHEAT

BARLEY

OAT

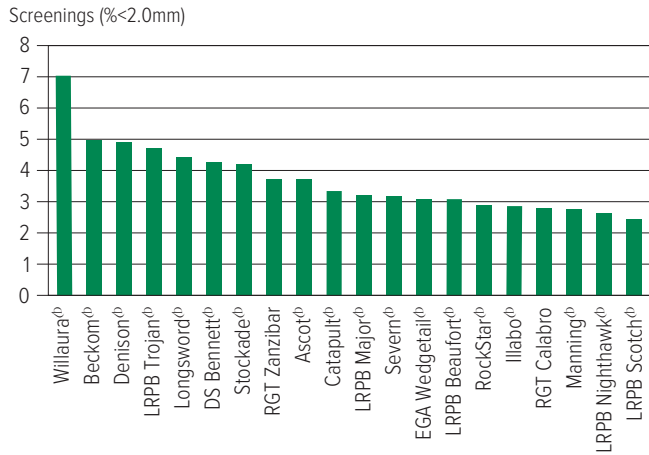
CANOLA

FABA BEAN

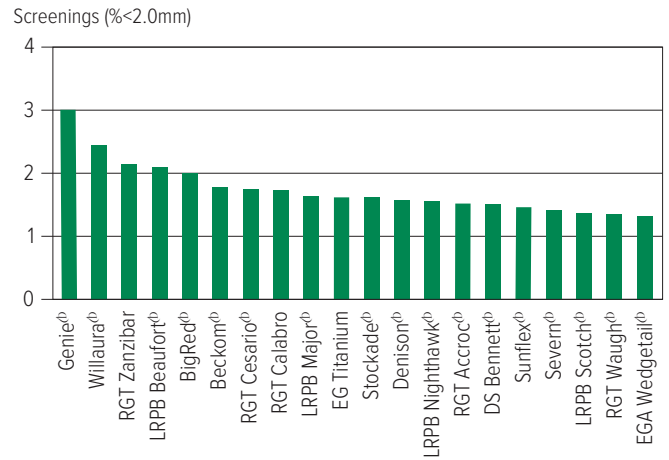
LUPIN

## Screenings comparisons

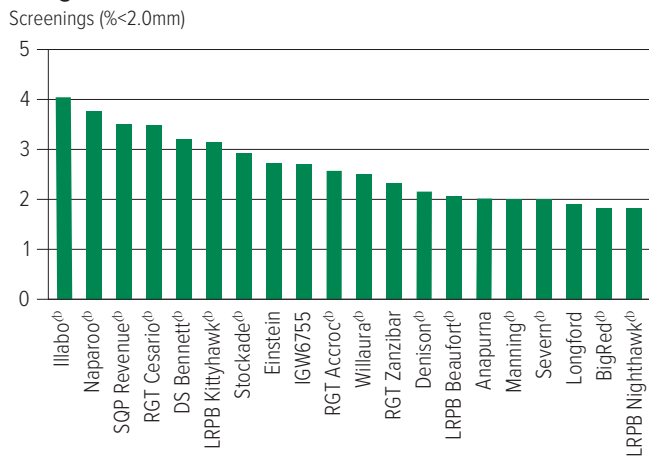
**Figure 9: Screenings (<2.0mm) comparisons for early season wheat varieties from four NVT sites in High Rainfall Zone in 2022.**



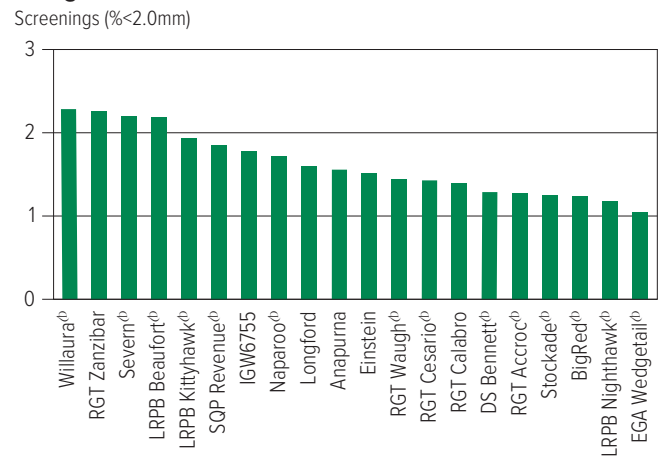
**Figure 10: Screenings (<2.0mm) comparisons for early season wheat varieties from four NVT sites in High Rainfall Zone in 2023.**



**Figure 11: Screenings (<2.0mm) comparisons for long season wheat varieties from three NVT sites in High Rainfall Zone in 2022.**



**Figure 12: Screenings (<2.0mm) comparisons for long season wheat varieties from four NVT sites in High Rainfall Zone in 2023.**



WHEAT

BARLEY

OAT

CANOLA

FABA BEAN

LUPIN



## Wheat variety disease ratings – South Australia and Victoria

The following tables contain varietal ratings for the predominant diseases of wheat in South Australia and Victoria. These ratings are updated annually by crop pathologists and were released in March 2024. Selected varieties of most relevance to South Australian, Victorian and Tasmanian growers are listed in alphabetical order and disease ratings are colour-coded to match resistance and tolerance ratings.

**Table 9: Wheat disease guide for South Australia.**

Variety	Stem rust	Stripe rust (east coast resistance)	Leaf rust	<i>Septoria tritici</i> blotch	Yellow leaf spot	Powdery mildew	RLN resistance ( <i>Pratylenchus neglectus</i> )	RLN resistance ( <i>Pratylenchus thornei</i> )	CCN	Eyespot	Crown rot	Black point*
Anapurna	MSS	RMR	MS	MRMS	MRMS	RMR	MS	S (P)	MRMS		SVS	
Ascot <sup>db</sup>	MRMS	MSS	RMR	S	MRMS	S	S	S	MR	S	S	
Ballista <sup>db</sup>	MR	MSS	S	SVS	MS	SVS	S	MRMS	MRMS	S	S	
Beckom <sup>db</sup>	MRMS	MRMS	MSS	S	MSS	MSS	S	MSS	R		S	
BigRed <sup>db</sup>	S	RMR	MRMS	MR	MR	RMR	MS	MS	S		MSS	
Boree <sup>db</sup>	MR	SVS	S	SVS	MRMS	SVS	S	MSS	MSS		S	
Borlaug 100 <sup>db</sup>	MR	SVS	MR	MSS	MRMS	S	S	MS	MS	MSS (P)	MSS	
Brumby <sup>db</sup>	MR	MS	SVS	S	MRMS	MR/S	MRMS	MS (P)	MRMS	S	S	
Calibre <sup>db</sup>	MR	S	S	S	MRMS	MSS	S	MSS	MRMS	S	S	
Catapult <sup>db</sup>	MR	S	S	MSS	MRMS	S	S	MS	R	S	MSS	
Chief CL Plus <sup>db</sup>	MR	SVS	MR	S	MRMS	SVS	MRMS	MSS	MS	MSS	MSS	
Coolah <sup>db</sup>	MR	MSS	RMR	MSS	MSS	S	S	MS	S		MSS	
Coota <sup>db</sup>	RMR	S	MR	S	MSS	S	MR	MS	MR	S	MSS	
Cosmick <sup>db</sup>	MS	MSS	SVS	SVS	MRMS	MSS	MSS	MSS	S		S	
Cutlass <sup>db</sup>	R	MSS	RMR	MSS	MSS	MSS	MSS	MSS	MR		S	
Denison <sup>db</sup>	MS	S	S	MSS	MRMS	S	S	S	MS	S	MSS	
Devil <sup>db</sup>	S	SVS	SVS	SVS	MRMS	S	MSS	S	MSS	S	MSS	
Dozer <sup>db</sup> CL Plus	MS	S	MSS	S (P)	MS	S	MRMS	S	MS (P)	SVS (P)	S	
DS Bennett <sup>db</sup>	MS	S	SVS	MSS	MRMS	R	S	S	S		VS	
DS Pascal <sup>db</sup>	MSS	MRMS	MRMS#	MSS	MS	RMR	S	S	S		S	
EG Jet <sup>db</sup>	S	MRMS	S	MSS	MRMS	SVS	S	S	MRMS		S	
EG Titanium	MS	MR	MS	MSS	MSS	S	MSS	MSS	R	S	MSS	
EGA Wedgetail <sup>db</sup>	MRMS	MS	MSS	MSS	MSS	MSS	S	VS	S		S	
Einstein	S	RMR	S	MSS	MR		MRMS	S	S		S (P)	
Emu Rock <sup>db</sup>	MS	SVS	SVS	S	MS	MSS	MSS	S	S		MSS	
Genie <sup>db</sup>	MS (P)	MRMS (P)	S (P)	S (P)	MRMS (P)	SVS (P)						
Hammer CL Plus <sup>db</sup>	MR	MS	S	MSS	MRMS	S	MSS	S	MRMS	S	MSS	
Hyperno <sup>db</sup>	RMR	MR	RMR	MSS	MRMS	MS	MS	RMR	MS		SVS	
IGW6755	MRMS	MSS	MS	MSS	MRMS	S	MSS	MR	MSS	MSS (P)	S	
Illabo <sup>db</sup>	MRMS	MRMS	S	MSS	MS	R	MSS	MSS	MRMS	S	S	
Jandaroi <sup>db</sup>	MRMS	MRMS	MR	MSS	MRMS	S	MS	MRMS	MS		VS	
Jillaroo <sup>db</sup>	MS	MSS	S	S	MS	SVS	S	MS (P)	MS	S	S	
Kingston <sup>db</sup>	S	MSS	S	S	MSS	S	S	MRMS	R	S	S	
Longford	RMR	RMR	RMR	MRMS/S	MRMS	RMR	S	S	MS	MSS (P)	MSS	
Longsword <sup>db</sup>	MR	MRMS/MS	MS	MS	MRMS	S	MRMS	MRMS	MRMS	S	MSS	
LRPB Anvil <sup>db</sup> CL Plus	MR	S	SVS	VS	MSS	SVS	MSS	S	MS	S	MSS	
LRPB Avenger <sup>db</sup>	MS	S	S	S	MS	SVS	MSS	MRMS	MRMS	S	S	

Continued on next page

WHEAT

BARLEY

OAT

CANOLA

FABA BEAN

LUPIN

Table 9: Wheat disease guide for South Australia (continued).

Variety	Stem rust	Stripe rust (east coast resistance)	Leaf rust	Septoria tritici blotch	Yellow leaf spot	Powdery mildew	RLN resistance ( <i>Pratylenchus neglectus</i> )	RLN resistance ( <i>Pratylenchus thornei</i> )	CCN	Eyespot	Crown rot	Black point*
LRPB Bale <sup>Ⓛ</sup>	MRMS	MRMS	MSS	MSS	SVS	MS	S	S	R	S	S	
LRPB Beaufort <sup>Ⓛ</sup>	SVS	RMR	MSS	S	MRMS	RMR	MS	MSS	MS		S	
LRPB Dual <sup>Ⓛ</sup>	MRMS	MS	MSS	MSS	S	S	MSS	MSS	R	S	S	
LRPB Havoc <sup>Ⓛ</sup>	S	MSS	S	MSS	MRMS	S	S	MSS	S		MSS	
LRPB Impala <sup>Ⓛ</sup>	MR	MRMS	SVS	SVS	MSS	R	SVS	S	MSS		MSS	
LRPB Kittyhawk <sup>Ⓛ</sup>	MRMS (S)	MR	MR	MRMS	MRMS	MS	S	S	S	S	SVS	
LRPB Major <sup>Ⓛ</sup>	MRMS	MRMS	MR#	MSS	MS	MS	MSS	MSS	MRMS (P)	S (P)	S	
LRPB Matador <sup>Ⓛ</sup>	MS	MS	MSS	S (P)	MRMS	MS	S	MRMS	MS (P)	S (P)	S	
LRPB Nighthawk <sup>Ⓛ</sup>	RMR	MR	MSS	MS	MS	SVS	MSS	MS	MS		MSS	
LRPB Oryx <sup>Ⓛ</sup>	MR	MS	RMR#	SVS	MSS	MR	MSS	MSS	S	S	MSS	
LRPB Raider <sup>Ⓛ</sup>	RMR	MR	RMR	S	MSS	S	MSS	MS	S		S	
LRPB Scotch <sup>Ⓛ</sup>	MSS	MRMS	MR#	S	MRMS	MR	MS	S	MS	S	S	
LRPB Scout <sup>Ⓛ</sup>	MRMS	MS	MS	S	SVS	MRMS	S	MSS	R		S	
LRPB Trojan <sup>Ⓛ</sup>	MRMS	S	MR#	S	MSS	S	MSS	MSS	MS	MS	MS	
Mace <sup>Ⓛ</sup>	MRMS	SVS	S	SVS	MRMS	MSS	MS	MS	MRMS	S	S	
Manning <sup>Ⓛ</sup>	MR	RMR	MSS	MRMS/S	MRMS	MS	MSS	S	S	MS (P)	VS	
Naparoo <sup>Ⓛ</sup>	MRMS	MRMS	MS	S	MRMS	R	SVS	S			S	
Razor CL Plus <sup>Ⓛ</sup>	MRMS	MRMS	S	SVS	MSS	MSS	S	MS	MR	S	S	
Reilly <sup>Ⓛ</sup>	MRMS	MS	MSS	S	S	MSS	MS	MSS	R	S	S	
RGT Accroc <sup>Ⓛ</sup>	MS	RMR	SVS	MS	MRMS	MSS	MS	MSS	S	MSS (P)	SVS	
RGT Calabro	MS	RMR	MSS	MRMS	MR	RMR	S	MS	S		SVS	
RGT Cesario <sup>Ⓛ</sup>	RMR	RMR	RMR	MRMS	MR	RMR	MRMS	MSS	MSS (P)		VS	
RGT Waugh <sup>Ⓛ</sup>	MS	RMR	S	MRMS#	MRMS	R	MSS	MSS	MS		S	
RGT Zanzibar	VS	MR	SVS	MSS	MS	RMR	S	MS (P)	MSS		S	
RockStar <sup>Ⓛ</sup>	MRMS	S	S	S	MRMS	SVS	MRMS	MS	MSS	S	S	
Saintly <sup>Ⓛ</sup>	MS	MRMS	RMR	MRMS/S	MRMS	S	MS	RMR	MS		VS (P)	
Scepter <sup>Ⓛ</sup>	MRMS	MSS	MSS	S	MRMS	SVS	S	MSS	MRMS	S	MSS	
Severn <sup>Ⓛ</sup>	MS	RMR	MRMS	MSS	MRMS	RMR	S	MRMS	MSS (P)		S	
Sheriff CL Plus <sup>Ⓛ</sup>	MS	SVS	SVS	S	MRMS	SVS	MRMS	MRMS	MS	S	S	
Soaker <sup>Ⓛ</sup>	MR (P)	MS (P)	S (P)	S (P)	MS (P)	S (P)						
SQP Revenue <sup>Ⓛ</sup>	RMR	MR	VS	MSS	MRMS	R	S	S	S	S	S	
Sting <sup>Ⓛ</sup>	MRMS	S	SVS	SVS	MRMS	SVS	MS	MS	MS		MSS	
Stockade <sup>Ⓛ</sup>	MS	MR	MR	MS	MRMS	SVS	S	MSS	MRMS		S	
Sunblade CL Plus <sup>Ⓛ</sup>	MS	MRMS	MSS	S	MSS	S	MSS	MRMS	MSS		S	
Sunflex <sup>Ⓛ</sup>	MR	MRMS	RMR#	SVS	MS	S	S	MSS	MS		MSS	
Sunmaster <sup>Ⓛ</sup>	MS	MRMS	RMR	S	MSS	MSS	MRMS	MS	MSS		MSS	
Sunprime <sup>Ⓛ</sup>	MS	MS	MR#	S	MSS	MSS	S	S	MS		MSS	
Tomahawk CL Plus <sup>Ⓛ</sup>	MR	MSS	S	S (P)	MRMS	SVS	S	MS	MRMS (P)	S (P)	S	
Valiant <sup>Ⓛ</sup> CL Plus	MR	S	S	MSS	MRMS	VS	S	S (P)	MSS (P)	MSS	MSS	
Vixen <sup>Ⓛ</sup>	MRMS	SVS	SVS	S	MRMS	SVS	MRMS	MS	MSS	S	S	
Willaura <sup>Ⓛ</sup>	MR	S	MRMS	S	MS	SVS	MSS	MRMS	MS		S	
Yitpi	S	MS	S	S	SVS	MS	MSS	S	MR		S	
Zen <sup>Ⓛ</sup>	S	S	S	S	MRMS	MS	MRMS	S	S		S	

Continued on next page

WHEAT  
BARLEY  
OAT  
CANOLA  
FABA BEAN  
LUPIN

Table 9: Wheat disease guide for South Australia (continued).

Variety	Stem rust	Stripe rust (east coast resistance)	Leaf rust	<i>Septoria tritici</i> blotch	Yellow leaf spot	Powdery mildew	RLN resistance ( <i>Pratylenchus neglectus</i> )	RLN resistance ( <i>Pratylenchus thornei</i> )	CCN	Eyespot	Crown rot	Black point*
<b>DURUM</b>												
Caparoi <sup>Ⓛ</sup>	MR	MS	RMR	MRMS/S	MR	S	MS	MR	MRMS (P)		VS	
DBA Bindaroi <sup>Ⓛ</sup>	MR	MS	MR	MS	MS	MSS	MRMS	MR	MS		SVS	
DBA Lillaroi <sup>Ⓛ</sup>	RMR	MS	RMR	S	MRMS	MS	MRMS	RMR	S		SVS	
DBA Mataroi <sup>Ⓛ</sup>	MRMS	MS	MR	MSS	MRMS	S	MS	RMR	MRMS		SVS	
DBA Spes	R	MS	RMR	S	MRMS	S	MRMS	RMR	MS		VS	
DBA Vittaroi <sup>Ⓛ</sup>	MR	MS	RMR	MSS	MRMS	MS	MS	MR	S		SVS	
DBA-Artemis <sup>Ⓛ</sup>	MR	MRMS	RMR	MRMS/S	MRMS	SVS	MS	MR	MS		SVS	
DBA-Aurora <sup>Ⓛ</sup>	RMR	MRMS	RMR	MRMS/S	MRMS	MSS	MRMS	RMR	MSS		SVS	
Patron <sup>Ⓛ</sup>	RMR	MRMS	MR#	MRMS	MRMS	MSS	MRMS	MR	S		SVS	
Westcourt <sup>Ⓛ</sup>	RMR	MR	RMR	S	MRMS	S	MS	MR	MSS		VS	

\* ratings will be updated when available. Learn more via the [NVT Disease Ratings](#).  
 R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible,  
 (P) = provisional rating, / indicates pathotype differences, # warning, may be more susceptible to alternate pathotypes, () show outlier.



Table 10: Wheat disease guide for Victoria.

Variety	Stem rust	Leaf rust	Stripe rust (east coast resistance)	CCN	Crown rot	Eyespot	RLN resistance ( <i>Pratylenchus neglectus</i> )	RLN resistance ( <i>Pratylenchus thornei</i> )	<i>Septoria tritici</i> blotch	Yellow leaf spot	Black tip (Black point)*	Powdery mildew
Anapurna	MSS	MS	RMR	MRMS	SVS		MS	S (P)	MRMS	MRMS		RMR
Ascot <sup>db</sup>	MRMS	RMR	MSS	MR	S	S	S	S	S	MRMS		S
Ballista <sup>db</sup>	MR	S	MSS	MRMS	S	S	S	MRMS	SVS	MS		SVS
Beckom <sup>db</sup>	MRMS	MSS	MRMS	R	S		S	MSS	S	MSS		MSS
BigRed <sup>db</sup>	S	MRMS	RMR	S	MSS		MS	MS	MR	MR		RMR
Boree <sup>db</sup>	MR	S	SVS	MSS	S		S	MSS	SVS	MRMS		SVS
Brumby <sup>db</sup>	MR	SVS	MS	MRMS	S	S	MRMS	MS (P)	S	MRMS		MR/S
Calibre <sup>db</sup>	MR	S	S	MRMS	S	S	S	MSS	S	MRMS		MSS
Catapult <sup>db</sup>	MR	S	S	R	MSS	S	S	MS	MSS	MRMS		S
Chief CL Plus <sup>db</sup>	MR	MR	SVS	MS	MSS	MSS	MRMS	MSS	S	MRMS		SVS
Condo <sup>db</sup>	MR	S	MRMS/MS	MR	S		S	MS	S	MS		MR
Coolah <sup>db</sup>	MR	RMR	MSS	S	MSS		S	MS	MSS	MSS		S
Coota <sup>db</sup>	RMR	MR	S	MR	MSS	S	MR	MS	S	MSS		S
Cosmick <sup>db</sup>	MS	SVS	MSS	S	S		MSS	MSS	SVS	MRMS		MSS
Cutlass <sup>db</sup>	R	RMR	MSS	MR	S		MSS	MSS	MSS	MSS		MSS
Denison <sup>db</sup>	MS	S	S	MS	MSS	S	S	S	MSS	MRMS		S
Dozer <sup>db</sup> CL Plus	MS	MSS	S	MS (P)	S	SVS (P)	MRMS	S	S (P)	MS		S
DS Bennett <sup>db</sup>	MS	SVS	S	S	VS		S	S	MSS	MRMS		R
DS Faraday <sup>db</sup>	RMR	RMR	MRMS	MS	MSS		S	MSS	MSS	MSS		
DS Pascal <sup>db</sup>	MSS	MRMS#	MRMS	S	S		S	S	MSS	MS		RMR
DS Tull <sup>db</sup>	MR	MSS	MS	MSS	S		MSS	MSS	SVS	S		
EG Jet <sup>db</sup>	S	S	MRMS	MRMS	S		S	S	MSS	MRMS		SVS
EG Titanium	MS	MS	MR	R	MSS	S	MSS	MSS	MSS	MSS		S
EGA Gregory <sup>db</sup>	MR	MR	MS	S	S		S	MSS	MSS	S		RMR
EGA Wedgetail <sup>db</sup>	MRMS	MSS	MS	S	S		S	VS	MSS	MSS		MRMS
Einstein	S	S	RMR	S	S (P)		MRMS	S	MSS	MR		
Emu Rock <sup>db</sup>	MS	SVS	SVS	S	MSS		MSS	S	S	MS		MSS
Genie <sup>db</sup>	MS (P)	S (P)	MRMS (P)						S (P)	MRMS (P)		SVS (P)
Hammer CL Plus <sup>db</sup>	MR	S	MS	MRMS	MSS	S	MSS	S	MSS	MRMS		S
Hyperno <sup>db</sup>	RMR	RMR	MR	MS	SVS		MS	RMR	MSS	MRMS		RMR
IGW6755	MRMS	MS	MSS	MSS	S	MSS (P)	MSS	MR	MSS	MRMS		S
Illabo <sup>db</sup>	MRMS	S	MRMS	MRMS	S	S	MSS	MSS	MSS	MS		R
Jillaroo <sup>db</sup>	MS	S	MSS	MS	S	S	S	MS (P)	S	MS		SVS
Kingston <sup>db</sup>	S	S	MSS	R	S	S	S	MRMS	S	MSS		S
Leverage <sup>db</sup>	MR	RMR#	MRMS	MS (P)	S	S (P)	S	MS	S	MRMS		S
Longford	RMR	RMR	RMR	MS	MSS	MSS (P)	S	S	MRMS/S	MRMS		RMR
Longsword <sup>db</sup>	MR	MS	MRMS/MS	MRMS	MSS	S	MRMS	MRMS	MS	MRMS		S
LRPB Anvil <sup>db</sup> CL Plus	MR	SVS	S	MS	MSS	S	MSS	S	VS	MSS		SVS
LRPB Avenger <sup>db</sup>	MS	S	S	MRMS	S	S	MSS	MRMS	S	MS		SVS
LRPB Bale <sup>db</sup>	MRMS	MSS	MRMS	R	S	S	S	S	MSS	SVS		MS
LRPB Beaufort <sup>db</sup>	SVS	MSS	RMR	MS	S		MS	MSS	S	MRMS		RMR
LRPB Dual <sup>db</sup>	MRMS	MSS	MS	R	S	S	MSS	MSS	MSS	S		S
LRPB Havoc <sup>db</sup>	S	S	MSS	S	MSS		S	MSS	MSS	MRMS		S
LRPB Hellfire <sup>db</sup>	MR	MSS	MR	MS	MSS		MSS	MSS	S	MSS		S

Continued on next page

WHEAT  
BARLEY  
OAT  
CANOLA  
FABA BEAN  
LUPIN

Table 10: Wheat disease guide for Victoria (continued).

Variety	Stem rust	Leaf rust	Stripe rust (east coast resistance)	CCN	Crown rot	Eyespot	RLN resistance ( <i>Pratylenchus neglectus</i> )	RLN resistance ( <i>Pratylenchus thornei</i> )	Septoria tritici blotch	Yellow leaf spot	Black tip (Black point)*	Powdery mildew
LRPB Impala <sup>db</sup>	MR	SVS	MRMS	MSS	MSS		SVS	S	SVS	MSS		R
LRPB Kittyhawk <sup>db</sup>	MRMS (S)	MR	MR	S	SVS	S	S	S	MRMS	MRMS		MS
LRPB Lancer <sup>db</sup>	R	RMR	RMR	S	MSS		S	MS	MS	MS		R
LRPB Major <sup>db</sup>	MRMS	MR#	MRMS	MRMS (P)	S	S (P)	MSS	MSS	MSS	MS		MS
LRPB Matador <sup>db</sup>	MS	MSS	MS	MS (P)	S	S (P)	S	MRMS	S (P)	MRMS		MS
LRPB Mustang <sup>db</sup>	MRMS	MSS	MR	MR	MSS		S	MSS	S	MSS		MSS
LRPB Nighthawk <sup>db</sup>	RMR	MSS	MR	MS	MSS		MSS	MS	MS	MS		SVS
LRPB Oryx <sup>db</sup>	MR	RMR#	MS	S	MSS	S	MSS	MSS	SVS	MSS		MR
LRPB Parakeet <sup>db</sup>	MR	R	MR	MS	MSS	S	MRMS	S	SVS	MSS		SVS
LRPB Raider <sup>db</sup>	RMR	RMR	MR	S	S		MSS	MS	S	MSS		S
LRPB Scotch <sup>db</sup>	MSS	MR#	MRMS	MS	S	S	MS	S	S	MRMS		MR
LRPB Scout <sup>db</sup>	MRMS	MS	MS	R	S		S	MSS	S	SVS		MRMS
LRPB Stealth <sup>db</sup>	R	RMR#	RMR	S	MSS		MSS	S	MSS	MS		MS
LRPB Trojan <sup>db</sup>	MRMS	MR#	S	MS	MS	MS	MSS	MSS	S	MSS		S
Mace <sup>db</sup>	MRMS	S	SVS	MRMS	S	S	MS	MS	SVS	MRMS		MSS
Manning <sup>db</sup>	MR	MSS	RMR	S	VS	MS (P)	MSS	S	MRMS/S	MRMS		MS
Razor CL Plus <sup>db</sup>	MRMS	S	MRMS	MR	S	S	S	MS	SVS	MSS		MSS
Reilly <sup>db</sup>	MRMS	MSS	MS	R	S	S	MS	MSS	S	S		MSS
RGT Accroc <sup>db</sup>	MS	SVS	RMR	S	SVS	MSS (P)	MS	MSS	MS	MRMS		MSS
RGT Calabro	MS	MSS	RMR	S	SVS		S	MS	MRMS	MR		RMR
RGT Cesario <sup>db</sup>	RMR	RMR	RMR	MSS (P)	VS		MRMS	MSS	MRMS	MR		RMR
RGT Waugh <sup>db</sup>	MS	S	RMR	MS	S		MSS	MSS	MRMS#	MRMS		R
RGT Zanzibar	VS	SVS	MR	MSS	S		S	MS (P)	MSS	MS		RMR
RockStar <sup>db</sup>	MRMS	S	S	MSS	S	S	MRMS	MS	S	MRMS		SVS
Saintly <sup>db</sup>	MS	RMR	MRMS	S	VS (P)		MS	RMR	MRMS/S	MRMS		S
Scepter <sup>db</sup>	MRMS	MSS	MSS	MRMS	MSS	S	S	MSS	S	MRMS		SVS
Severn <sup>db</sup>	MS	MRMS	RMR	MSS (P)	S		S	MRMS	MSS	MRMS		RMR
Sheriff CL Plus <sup>db</sup>	MS	SVS	SVS	MS	S	S	MRMS	MRMS	S	MRMS		SVS
Soaker <sup>db</sup>	MR (P)	S (P)	MS (P)						S (P)	MS (P)		S (P)
SQP Revenue <sup>db</sup>	RMR	VS	MR	S	S	S	S	S	MSS	MRMS		R
Sting <sup>db</sup>	MRMS	SVS	S	MS	MSS		MS	MS	SVS	MRMS		SVS
Stockade <sup>db</sup>	MS	MR	MR	MRMS	S		S	MSS	MS	MRMS		SVS
Sunblade CL Plus <sup>db</sup>	MS	MSS	MRMS	MSS	S		MSS	MRMS	S	MSS		S
Suncentral <sup>db</sup>	MRMS	RMR		S	MSS		MRMS	MRMS	S	MSS		SVS
Sundancer <sup>db</sup>	MR	RMR	MR	MS (P)	MSS		MSS	MS	MSS	MS		S
Sunflex <sup>db</sup>	MR	RMR#	MRMS	MS	MSS		S	MSS	SVS	MS		S
Sunmaster <sup>db</sup>	MS	RMR	MRMS	MSS	MSS		MRMS	MS	S	MSS		MSS
Sunprime <sup>db</sup>	MS	MR#	MS	MS	MSS		S	S	S	MSS		
Suntop <sup>db</sup>	MRMS	MR	MRMS	S	MSS		S	MRMS	MSS	MSS		S
Tomahawk CL Plus <sup>db</sup>	MR	S	MSS	MRMS (P)	S	S (P)	S	MS	S (P)	MRMS		SVS
Valiant <sup>db</sup> CL Plus	MR	S	S	MSS (P)	MSS	MSS	S	S (P)	MSS	MRMS		VS
Vixen <sup>db</sup>	MRMS	SVS	SVS	MSS	S	S	MRMS	MS	S	MRMS		SVS
Willaura <sup>db</sup>	MR	MRMS	S	MS	S		MSS	MRMS	S	MS		SVS
Yitpi	S	S	MS	MR	S		MSS	S	S	SVS		MS

WHEAT  
BARLEY  
OAT  
CANOLA  
FABA BEAN  
LUPIN

Continued on next page

Table 10: Wheat disease guide for Victoria (continued).

Variety	Stem rust	Leaf rust	Stripe rust (east coast resistance)	CCN	Crown rot	Eyespot	RLN resistance ( <i>Pratylenchus neglectus</i> )	RLN resistance ( <i>Pratylenchus thornei</i> )	<i>Septoria tritici</i> blotch	Yellow leaf spot	Black tip (Black point)*	Powdery mildew
<b>DURUM</b>												
Caparoi <sup>db</sup>	MR	RMR	MS	MRMS (P)	VS		MS	MR	MRMS/S	MR		S
DBA Bindaroi <sup>db</sup>	MR	MR	MS	MS	SVS		MRMS	MR	MS	MS		MSS
DBA Lillaroi <sup>db</sup>	RMR	RMR	MS	S	SVS		MRMS	RMR	S	MRMS		MS
DBA Mataroi <sup>db</sup>	MRMS	MR	MS	MRMS	SVS		MS	RMR	MSS	MRMS		S
DBA Spes	R	RMR	MS	MS	VS		MRMS	RMR	S	MRMS		S
DBA Vittaroi <sup>db</sup>	MR	RMR	MS	S	SVS		MS	MR	MSS	MRMS		MS
DBA-Artemis <sup>db</sup>	MR	RMR	MRMS	MS	SVS		MS	MR	MRMS/S	MRMS		SVS
DBA-Aurora <sup>db</sup>	RMR	RMR	MRMS	MSS	SVS		MRMS	RMR	MRMS/S	MRMS		MSS
Jandaroi <sup>db</sup>	MRMS	MR	MRMS	MS	VS		MS	MRMS	MSS	MRMS		MS
Patron <sup>db</sup>	RMR	MR#	MRMS	S	SVS		MRMS	MR	MRMS	MRMS		MSS
Westcourt <sup>db</sup>	RMR	RMR	MR	MSS	VS		MS	MR	S	MRMS		S

\* ratings will be updated when available. Learn more via the [NVT Disease Ratings](#).

R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible,

(P) = provisional rating, / indicates pathotype differences, # warning, may be more susceptible to alternate pathotypes, () show outlier.



# BARLEY

## New barley varieties

The following information is for barley varieties released in the 12 months to the date when the MET analysis was published on NVT online. Please go to [nvt.grdc.com.au](http://nvt.grdc.com.au) to find trial results for any new varieties released since the publication of this harvest report.

Variety	Breeding company	Grain classification	End point royalty* (\$)	Comments supplied by breeding company <sup>1</sup>
Neo <sup>®</sup> CL	InterGrain	Under malt evaluation	4.25	Neo <sup>®</sup> CL is a mid-maturing, imidazolinone-tolerant spring barley, ideally suited to medium-high rainfall environments. Neo <sup>®</sup> CL provides an outstanding disease resistance profile with excellent resistance to cereal cyst nematode, powdery mildew and the spot form of net blotch, and useful resistance to the net form of net blotch and leaf scald. Neo <sup>®</sup> CL has a semi-prostrate early growth habit, medium plant height, good tolerance to lodging, good grain retention and tolerance to head loss, and very good levels of grain plumpness. Neo <sup>®</sup> CL has been accepted into Grains Australia's malting accreditation program with earliest potential final accreditation in March 2025.
Spinnaker <sup>®</sup>	Secobra Recherches		TBC	Released under code name SCA21-Y003.

\* EPR amount is ex-GST, <sup>®</sup> denotes Plant Breeder's Rights apply. <sup>1</sup> All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder.

WHEAT

BARLEY

OAT

CANOLA

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Refer to the latest *Crop Sowing Guide* for further information at [nvt.grdc.com.au/resources/crop-sowing-guides](http://nvt.grdc.com.au/resources/crop-sowing-guides)

## Barley variety yield performance – High rainfall South Australia, Victoria and Tasmania

Yield results are presented from the top-performing varieties within each NVT location in the region for the past five seasons. Results are presented (as a percentage) for each variety relative to the mean trial yield for the location within each year. Varieties are listed in descending order of average yield over the period.

The Long Term Yield Reporter provides additional information on varieties not listed and can be viewed as a table or chart with error bars. Rainfall is provided for January to March (J–M) and April to October (A–O) and, where relevant, irrigation from April to October.

**Table 1: Conmurra long season barley.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)		5.24		5.43	5.86
Cyclops <sup>db</sup>		127		126	99
Rosalind <sup>db</sup>		120		134	96
Leabrook <sup>db</sup>		112		127	98
Spinnaker <sup>db</sup>				111	99
Minotaur <sup>db</sup>		114		109	97
Neo <sup>db</sup> CL*					101
RGT Planet <sup>db</sup>		113		101	97
Spartacus CL <sup>db*</sup>	No trial	109	No trial	108	91
Maximus <sup>db</sup> CL*		105		102	99
Zena <sup>db</sup> CL*				104	98
Commander <sup>db</sup>		94		102	105
Laperouse <sup>db</sup>		106		100	96
Kiwi		98		100	102
Fandaga <sup>db</sup>				90	93
Alestar <sup>db</sup>		98		90	100
<b>Sowing date</b>		<b>16 Apr</b>		<b>19 May</b>	<b>18 May</b>
<b>Rainfall J–M (mm)</b>		<b>61</b>		<b>35</b>	<b>56</b>
<b>Rainfall A–O (mm)</b>		<b>385</b>		<b>451</b>	<b>407</b>

Special thanks to 2023 trial cooperator, Brad Hocking.  
\* herbicide-tolerant variety. Learn more via the [NVT Long Term Yield Reporter](#)

**Table 2: Cressy/Westbury long season barley.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)		10.11	9.85	8.28	7.81
Rosalind <sup>db</sup>		112	111	124	106
Neo <sup>db</sup> CL*					112
RGT Planet <sup>db</sup>		112	112	106	115
Spinnaker <sup>db</sup>			109	108	111
Fandaga <sup>db</sup>			100	111	104
Zena <sup>db</sup> CL*				106	109
Topstart		106	106	105	105
Cyclops <sup>db</sup>	No trial	108	101	108	104
Leabrook <sup>db</sup>		103	104	115	99
Maximus <sup>db</sup> CL*		109	93	107	96
Alestar <sup>db</sup>		98	101	93	103
Westminster <sup>db</sup>		94	100	98	97
Urambie		88	103	108	90
Kiwi		95	99	95	99
Laperouse <sup>db</sup>		99	90	101	91
<b>Sowing date</b>		<b>4 May</b>	<b>12 May</b>	<b>11 May</b>	<b>18 May</b>
<b>Rainfall J–M (mm)</b>		<b>170</b>	<b>159</b>	<b>85</b>	<b>103</b>
<b>Rainfall A–O (mm)</b>		<b>369</b>	<b>512</b>	<b>452</b>	<b>341</b>
<b>Irrigation A–O (mm)</b>					<b>27</b>

Special thanks to 2023 trial cooperator, Fordell Farms.  
\* herbicide-tolerant variety. Learn more via the [NVT Long Term Yield Reporter](#)

**Table 3: Hamilton long season barley.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	5.96	5.94		5.21	4.20
Fandaga <sup>db</sup>				112	109
Neo <sup>db</sup> CL*					113
RGT Planet <sup>db</sup>	112	123		119	95
Spinnaker <sup>db</sup>				111	104
Cyclops <sup>db</sup>		107		108	109
Maximus <sup>db</sup> CL*	111	99		96	120
Topstart	109	112		105	98
Rosalind <sup>db</sup>	101	104		102	121
Bottler <sup>db</sup>	105	107		103	103
Zena <sup>db</sup> CL*				108	97
Laperouse <sup>db</sup>	106	99		99	100
Alestar <sup>db</sup>	101	107		107	86
Leabrook <sup>db</sup>	95	94		95	116
Minotaur <sup>db</sup>		100		105	86
Spartacus CL <sup>db*</sup>	99	93		96	95
<b>Sowing date</b>	<b>16 May</b>	<b>14 May</b>	<b>7 May</b>	<b>2 May</b>	<b>25 May</b>
<b>Rainfall J–M (mm)</b>	<b>33</b>	<b>85</b>	<b>107</b>	<b>80</b>	<b>111</b>
<b>Rainfall A–O (mm)</b>	<b>422</b>	<b>509</b>	<b>419</b>	<b>521</b>	<b>374</b>

Special thanks to 2023 trial cooperator, Robertson Partnership.  
\* herbicide-tolerant variety. Learn more via the [NVT Long Term Yield Reporter](#)

**Table 4: Inverleigh long season barley.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	5.94	6.22	8.39	6.38	4.81
Cyclops <sup>db</sup>		107	107	109	112
Rosalind <sup>db</sup>	98	111	106	114	108
Spinnaker <sup>db</sup>			106	100	104
Neo <sup>db</sup> CL*					108
RGT Planet <sup>db</sup>	120	108	107	90	97
Leabrook <sup>db</sup>	92	105	101	115	107
Fandaga <sup>db</sup>			111	90	97
Maximus <sup>db</sup> CL*	94	102	105	105	110
Minotaur <sup>db</sup>		97	101	102	98
Zena <sup>db</sup> CL*				96	96
Laperouse <sup>db</sup>	103	97	103	101	100
Spartacus CL <sup>db*</sup>	101	95	101	105	93
Kiwi	100	98	97	101	100
Alestar <sup>db</sup>	110	98	100	91	93
Commander <sup>db</sup>	91	96	95	107	106
<b>Sowing date</b>	<b>19 May</b>	<b>11 May</b>	<b>5 May</b>	<b>3 May</b>	<b>19 May</b>
<b>Rainfall J–M (mm)</b>	<b>47</b>	<b>112</b>	<b>94</b>	<b>133</b>	<b>67</b>
<b>Rainfall A–O (mm)</b>	<b>320</b>	<b>327</b>	<b>332</b>	<b>333</b>	<b>284</b>

Special thanks to 2023 trial cooperator, Leighview Ag.  
\* herbicide-tolerant variety. Learn more via the [NVT Long Term Yield Reporter](#)

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**Table 5: Streatham long season barley.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	5.40	7.10	9.29	6.67	4.81
Cyclops <sup>db</sup>		111	107	113	120
Rosalind <sup>db</sup>	98	114	103	124	117
Spinnaker <sup>db</sup>			110	104	109
RGT Planet <sup>db</sup>	112	107	116	96	103
Neo <sup>db</sup> CL*					110
Leabrook <sup>db</sup>	94	108	97	120	111
Fandaga <sup>db</sup>			100	102	107
Minotaur <sup>db</sup>		101	104	101	103
Zena <sup>db</sup> CL*				99	98
Maximus <sup>db</sup> CL*	92	103	90	110	112
Spartacus CL <sup>db</sup> *	89	101	91	111	101
Laperouse <sup>db</sup>	94	100	94	104	104
Alestar <sup>db</sup>	106	98	107	89	93
Bottler <sup>db</sup>	102	99	101	95	96
Kiwi	102	98	101	97	98
<b>Sowing date</b>	<b>22 May</b>	<b>15 May</b>	<b>8 May</b>	<b>11 May</b>	<b>16 May</b>
<b>Rainfall J–M (mm)</b>	<b>31</b>	<b>80</b>	<b>174</b>	<b>95</b>	<b>84</b>
<b>Rainfall A–O (mm)</b>	<b>402</b>	<b>385</b>	<b>409</b>	<b>461</b>	<b>265</b>

Special thanks to 2023 trial cooperator, Blythvale Pastoral.

\* herbicide-tolerant variety. Learn more via the [NVT Long Term Yield Reporter](#)

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## Barley variety quality – High rainfall South Australia, Victoria and Tasmania

Grain quality for individual varieties varies from site to site and from year to year. However, long-term and across-site trends highlight varieties that can consistently achieve high protein percentage, high test weight or low grain screenings under a wider range of environments.

The following figures show the grain quality trends as histograms from 2022 and 2023 NVT averaged for trials in the High rainfall South Australia, Victoria and Tasmania region. Only the varieties evaluated at every site are included. These are plotted in order of performance, up to a maximum of 20.

### Protein and yield comparisons

Figure 1: Protein (%) and yield (t/ha) comparisons for long season barley varieties from three NVT sites in High Rainfall Zone in 2022.

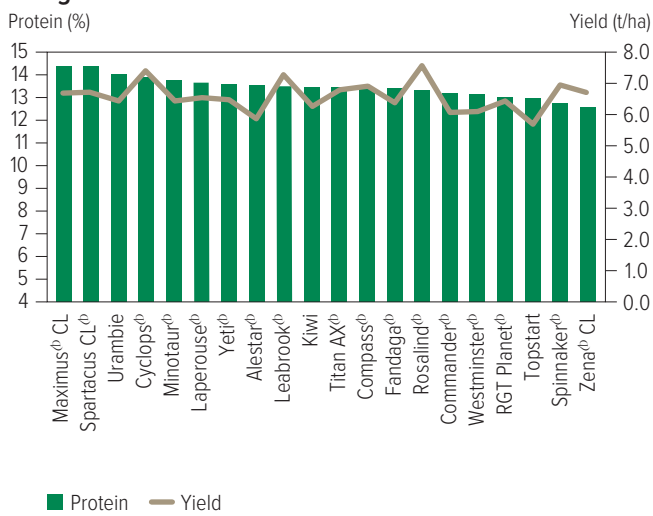
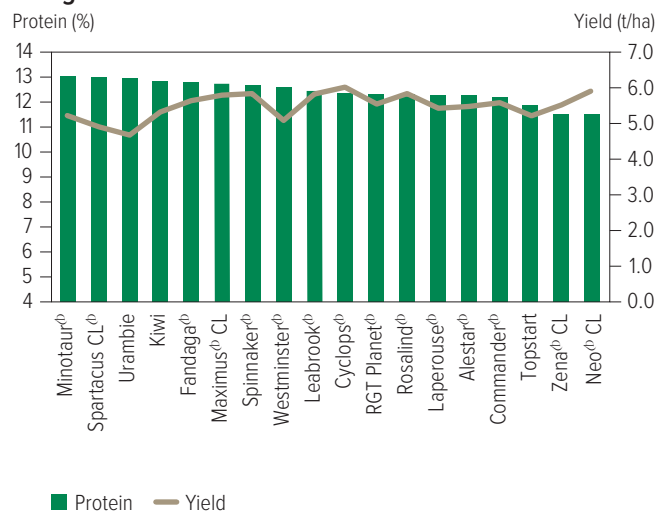


Figure 2: Protein (%) and yield (t/ha) comparisons for long season barley varieties from three NVT sites in High Rainfall Zone in 2023.



### Test weight comparisons

Figure 3: Test weight (kg/hL) comparisons for long season barley varieties from three NVT sites in High Rainfall Zone in 2022.

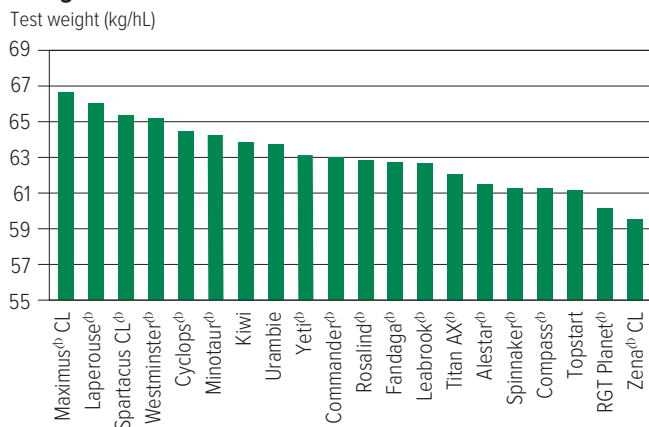
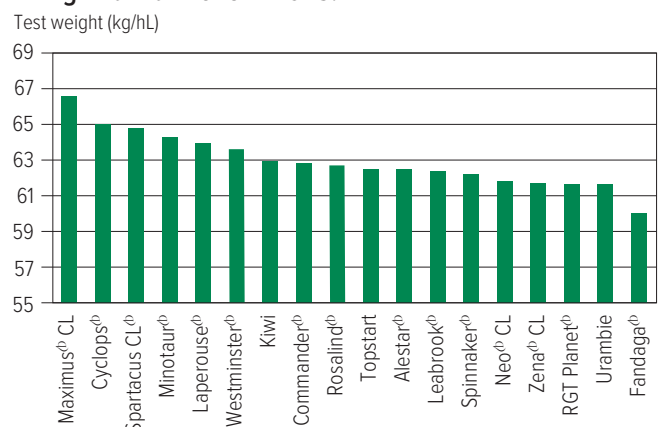


Figure 4: Test weight (kg/hL) comparisons for long season barley varieties from three NVT sites in High Rainfall Zone in 2023.



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OAT

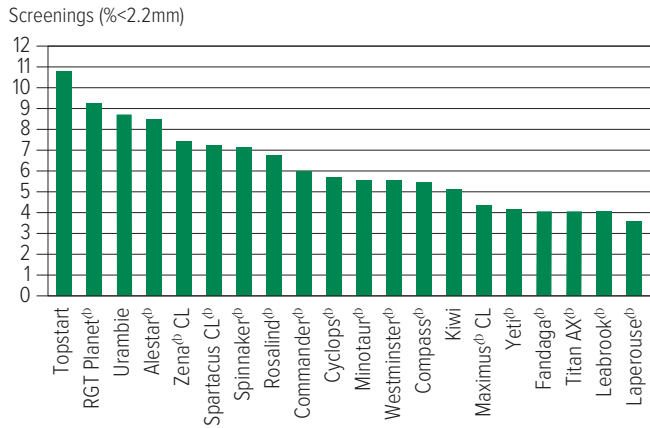
CANOLA

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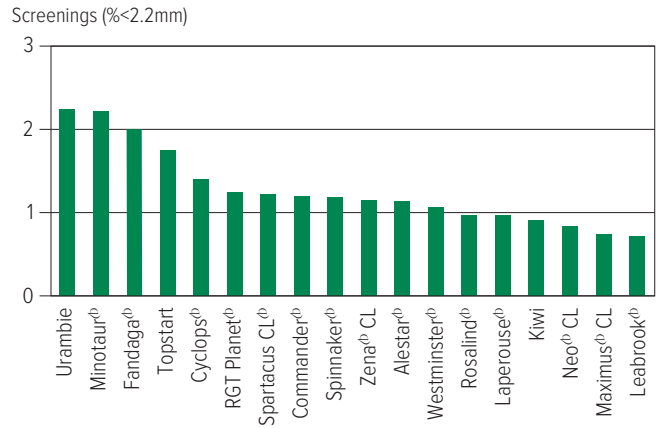
LUPIN

## Screenings comparisons

**Figure 5: Screenings (<2.2mm) comparisons for long season barley varieties from three NVT sites in High Rainfall Zone in 2022.**

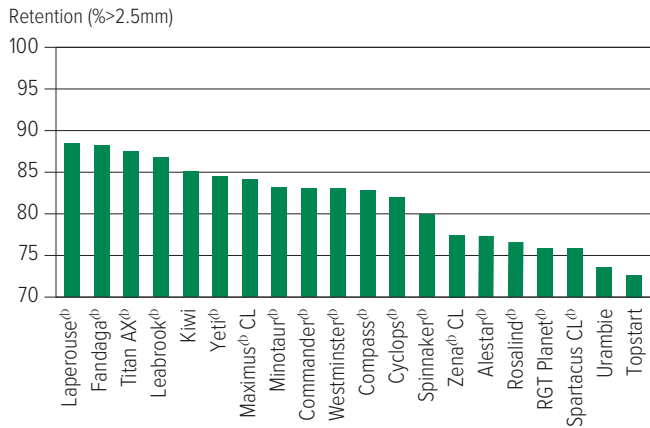


**Figure 6: Screenings (<2.2mm) comparisons for long season barley varieties from three NVT sites in High Rainfall Zone in 2023.**

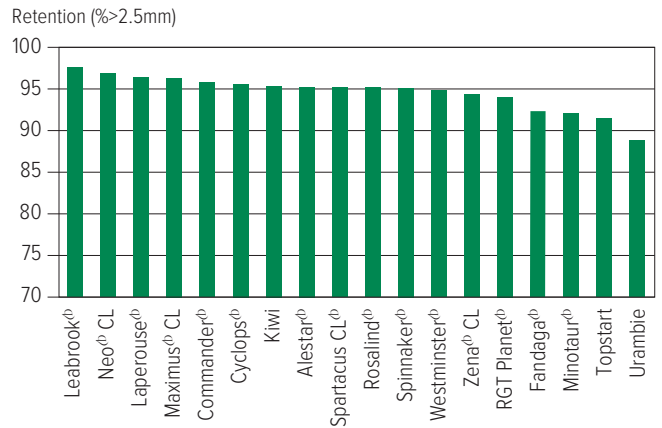


## Retention comparisons

**Figure 7: Retention (>2.5mm) comparisons for long season barley varieties from three NVT sites in High Rainfall Zone in 2022.**



**Figure 8: Retention (>2.5mm) comparisons for long season barley varieties from three NVT sites in High Rainfall Zone in 2023.**



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LUPIN

## Barley variety disease ratings – South Australia and Victoria

The following tables contain varietal ratings for the predominant diseases of barley in South Australia and Victoria. These ratings are updated annually by crop pathologists and were released in March 2024.

Selected varieties of most relevance to South Australian, Victorian and Tasmanian growers are listed in alphabetical order and disease ratings are colour-coded to match resistance and tolerance ratings.

**Table 6: Barley disease guide for South Australia.**

Variety	Leaf rust	Net form net blotch*	Spot form net blotch	Leaf scald	Ramularia	RLN resistance ( <i>Pratylenchus neglectus</i> )	RLN resistance ( <i>Pratylenchus thornei</i> )	CCN	Crown rot	Black point*	Powdery mildew
Alestar <sup>db</sup>	MSS		S	SVS	SVS	MR	MR	R^ (P)	S		MR
Banks <sup>db</sup>	MRMS		S	MS-SVS	VS	MS	MR	S	MSS		MS
Bass <sup>db</sup>	S		MSS	MSS	VS	MS	MRMS	S	MSS		S
Beast <sup>db</sup>	MS		MS	SVS	SVS	MRMS	MRMS	MR	S		S
Bottler <sup>db</sup>	MSS		MSS	SVS	SVS	MS	RMR		SVS		RMR
Buff <sup>db</sup>	SVS		MSS	MS-VS	SVS	MRMS	MS		S		S
Combat <sup>db</sup>	SVS		RMR	MS-S	SVS	MRMS	MS	MR	S		MS
Commander <sup>db</sup>	MSS		MSS	SVS	SVS	MRMS	MRMS	R	S		MSS
Commodus <sup>db</sup> CL	S		MSS	MSS-SVS	SVS	MRMS	MRMS	R	S		MSS
Compass <sup>db</sup>	S		MS	MSS-SVS	SVS	MRMS	MR	R	MSS		S
Cyclops <sup>db</sup>	S		MSS	S	SVS	MRMS	MRMS	S	MSS		SVS
Fairview <sup>db</sup>	S		S	SVS	SVS	MR	MR		MSS		R
Fandaga <sup>db</sup>	MSS		S	SVS	VS	MR	MR	R	MSS		R
Fathom <sup>db</sup>	MSS		RMR	R-S	SVS	MRMS	MR	R	SVS		MRMS
Flinders <sup>db</sup>	S		S	MSS-SVS	SVS	MRMS	MR	S	MSS		RMR
Keel	S		MR	MS-SVS	SVS	MS	MRMS	R	S		S
Kiwi	MSS		MSS	SVS	VS	MRMS	RMR	S	MSS		RMR
La Trobe <sup>db</sup>	S		S	R-SVS	SVS	MRMS	MRMS	R	S		MSS
Laperouse <sup>db</sup>	S		MRMS	SVS	VS	MRMS	MR	S	S		MSS
Leabrook <sup>db</sup>	S		MS	MRMS-SVS	VS	MRMS	RMR	RMR	S		S
Litmus <sup>db</sup>	S		S	VS	VS	MS	MRMS	MS	S		MS
Maximus <sup>db</sup> CL	S		MS	R-SVS	VS	MRMS	MRMS	R	S		S
Minotaur <sup>db</sup>	SVS		S	VS	SVS	MRMS	MRMS	R	MSS		S
Neo <sup>db</sup> CL	MSS (P)		MR (P)	S (P)	SVS (P)	RMR (P)	MR (P)	R			RMR (P)
RGT Planet <sup>db</sup>	S		SVS	R-SVS	SVS	MRMS	MR	R (P)	MSS		RMR
Rosalind <sup>db</sup>	MSS		S	MR-S	VS	MRMS	MRMS	R	S		MSS
SakuraStar	MSS		MS	MS-SVS	SVS	MR	MR	R	S		MSS
Scope CL <sup>db</sup>	S		MSS	MRMS-SVS	SVS	MRMS	MRMS	S	S		MRMS
Spartacus CL <sup>db</sup>	MSS		S	R-SVS	VS	MRMS	MRMS	R	S		MSS
Spinnaker <sup>db</sup>	S		SVS	S	VS	MR	MS	S	S		RMR
Titan AX <sup>db</sup>	SVS		MS	VS	VS	MR	MR	MR (P)	S		MSS
Topstart	S		S	S	SVS	RMR	RMR	S	MSS		RMR
Urambie	S		S	R-S	VS	MRMS	MR		MSS		MS
Westminster <sup>db</sup>	MS		S	R-S	SVS	MRMS	MS		MSS		RMR
Yeti <sup>db</sup>	SVS		MS	VS	VS	MR	MR	RMR	S		S
Zena <sup>db</sup> CL	S		S	R-S	VS	MRMS	MR	R	S		RMR

\* ratings will be updated when available. Learn more via the [NVT Disease Ratings](#).  
 R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible,  
 T = tolerant, MT = moderately tolerant, MI = moderately intolerant, I = intolerant, VI = very intolerant,  
 (P) = provisional rating, - hyphen indicates a range, ^ line contains a few susceptible off types.

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Table 7: Barley disease guide for Victoria.

Variety	Leaf scald	Spot form net blotch	Net form net blotch*	Leaf rust	CCN	RLN resistance ( <i>Pratylenchus neglectus</i> )	RLN resistance ( <i>Pratylenchus thornei</i> )	Ramularia	Powdery mildew
Alestar <sup>db</sup>	SVS	S		MS	R <sup>a</sup> (P)	MR	MR	SVS	MR
Banks <sup>db</sup>	SVS	S		S	S	MS	MR	VS	MS
Bass <sup>db</sup>	S	MSS		SVS	S	MS	MRMS	VS	S
Beast <sup>db</sup>	SVS	MS		S	MR	MRMS	MRMS	SVS	S
Bottler <sup>db</sup>	SVS	MSS		MRMS		MS	RMR	SVS	RMR
Buff <sup>db</sup>	SVS	MSS		SVS		MRMS	MS	SVS	S
Combat <sup>db</sup>	S	RMR		S	MR	MRMS	MS	SVS	MS
Commander <sup>db</sup>	SVS	MSS		SVS	R	MRMS	MRMS	SVS	MSS
Commodus <sup>db</sup> CL	SVS	MSS		S	R	MRMS	MRMS	SVS	MSS
Compass <sup>db</sup>	SVS	MS		SVS	R	MRMS	MR	SVS	S
Cyclops <sup>db</sup>	S	MS		SVS	S	MRMS	MRMS	SVS	SVS
Fairview <sup>db</sup>	SVS	S		S		MR	MR	SVS	R
Fandaga <sup>db</sup>	SVS	S		MSS	R	MR	MR	VS	R
Fathom <sup>db</sup>	S	RMR		MS	R	MRMS	MR	SVS	MRMS
Flinders <sup>db</sup>	SVS	S		S	S	MRMS	MR	SVS	RMR
Keel	SVS	MR		SVS	R	MS	MRMS	SVS	S
Kiwi	SVS	MSS		MSS	S	MRMS	RMR	VS	RMR
La Trobe <sup>db</sup>	SVS	S		S	R	MRMS	MRMS	SVS	MSS
Laperouse <sup>db</sup>	VS	MRMS		SVS	S	MRMS	MR	VS	MSS
Leabrook <sup>db</sup>	SVS	MS		SVS	RMR	MRMS	RMR	VS	S
Litmus <sup>db</sup>	VS	S		SVS	MS	MS	MRMS	VS	MS
Maximus <sup>db</sup> CL	SVS	MS		S	R	MRMS	MRMS	VS	S
Minotaur <sup>db</sup>	VS	S		VS	R	MRMS	MRMS	SVS	S
Neo <sup>db</sup> CL	S (P)	MR (P)		S (P)	R	RMR (P)	MR (P)	SVS (P)	RMR (P)
RGT Planet <sup>db</sup>	SVS	SVS		MRMS	R (P)	MRMS	MR	SVS	RMR
Rosalind <sup>db</sup>	S	S		MRMS	R	MRMS	MRMS	VS	MSS
SakuraStar	SVS	MS		S	R	MR	MR	SVS	MSS
Scope CL <sup>db</sup>	SVS	MSS		S	S	MRMS	MRMS	SVS	MRMS
Spartacus CL <sup>db</sup>	SVS	S		S	R	MRMS	MRMS	VS	MSS
Spinnaker <sup>db</sup>	S	SVS		S	S	MR	MS	VS	RMR
Titan AX <sup>db</sup>	VS	MS		SVS	MR (P)	MR	MR	VS	MSS
Topstart	SVS	S		MRMS	S	RMR	RMR	SVS	RMR
Urambie	MS	S		S		MRMS	MR	VS	MS
Westminster <sup>db</sup>	SVS	S		MRMS		MRMS	MS	SVS	RMR
Yeti <sup>db</sup>	VS	MS		SVS	RMR	MR	MR	VS	S
Zena <sup>db</sup> CL	S	S		MS	R	MRMS	MR	VS	RMR

\* ratings will be updated when available. Learn more via the [NVT Disease Ratings](#).  
R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible,  
T = tolerant, MT = moderately tolerant, MI = moderately intolerant, I = intolerant, VI = very intolerant,  
(P) = provisional rating, ^ line contains a few susceptible off types.

WHEAT  
BARLEY  
OAT  
CANOLA  
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LUPIN



# OAT

## New oat varieties

The following information is for oat varieties released in the 12 months to the date when the MET analysis was published on NVT online. Please go to [nvt.grdc.com.au](http://nvt.grdc.com.au) to find trial results for any new varieties released since the publication of this harvest report.

Variety	Breeding company	End point royalty* (\$)	Comments supplied by breeding company <sup>1</sup>
Archer <sup>db</sup>	InterGrain	TBC	Variety description not supplied.
Wallaby <sup>db</sup>	InterGrain	TBC	Variety description not supplied.

\* EPR amount is ex-GST, <sup>db</sup> denotes Plant Breeder's Rights apply. <sup>1</sup> All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder.

WHEAT

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OAT

CANOLA

FABA BEAN

LUPIN

Refer to the latest *Crop Sowing Guide* for further information at [nvt.grdc.com.au/resources/crop-sowing-guides](http://nvt.grdc.com.au/resources/crop-sowing-guides)

## Oat variety yield performance – High rainfall South Australia, Victoria and Tasmania

Yield results are presented from the top-performing varieties within each NVT location in the region for the past five seasons. Results are presented (as a percentage) for each variety relative to the mean trial yield for the location within each year. Varieties are listed in descending order of average yield over the period.

The Long Term Yield Reporter provides additional information on varieties not listed and can be viewed as a table or chart with error bars. Rainfall is provided for January to March (J–M) and April to October (A–O) and, where relevant, irrigation from April to October.

**Table 1: Frances oat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	5.07	4.89	4.95	2.73	
Williams <sup>db</sup>	104	113	110	96	No trial
Koala <sup>db</sup>	104	113	114	88	
Bannister <sup>db</sup>	103	111	110	93	
13008-18			111	92	
Bilby <sup>db</sup>	102	105	101	104	
Kowari <sup>db</sup>	99	97	95	106	
Possum	98	94	95	103	
Mitika <sup>db</sup>	98	92	92	106	
Durack <sup>db</sup>	92	76	84	105	
Koorabup <sup>db</sup>	89	73	90	93	
<b>Sowing date</b>	<b>31 May</b>	<b>27 May</b>	<b>29 May</b>	<b>25 May</b>	
<b>Rainfall J–M (mm)</b>	<b>22</b>	<b>81</b>	<b>40</b>	<b>98</b>	
<b>Rainfall A–O (mm)</b>	<b>294</b>	<b>401</b>	<b>339</b>	<b>428</b>	

No 2023 trial cooperator.

Learn more via the [NVT Long Term Yield Reporter](#)

**Table 2: Hamilton oat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	5.47	4.47	4.55		3.51
Archer <sup>db*</sup>				Trial failed	98
13008-18			114		115
Koala <sup>db</sup>	124	103	125		98
Bannister <sup>db</sup>	117	108	120		104
Williams <sup>db</sup>	113	91	133		100
Echidna	112	108	113		100
Bilby <sup>db</sup>	102	114	100		108
Wallaby <sup>db</sup>					89
Kowari <sup>db</sup>	92	108	87		104
Mitika <sup>db</sup>	87	98	84		99
<b>Sowing date</b>	<b>16 May</b>	<b>14 May</b>	<b>7 May</b>		<b>2 May</b>
<b>Rainfall J–M (mm)</b>	<b>33</b>	<b>85</b>	<b>107</b>	<b>80</b>	<b>111</b>
<b>Rainfall A–O (mm)</b>	<b>422</b>	<b>509</b>	<b>419</b>	<b>521</b>	<b>374</b>

Special thanks to 2023 trial cooperator, Robertson Partnership.

\* herbicide-tolerant variety. Learn more via the [NVT Long Term Yield Reporter](#)

**Table 3: Streatham oat.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	4.33	5.02	6.74	6.07	2.61
Archer <sup>db*</sup>					95
Williams <sup>db</sup>	118	113	110	121	98
Koala <sup>db</sup>	110	110	110	126	95
Bannister <sup>db</sup>	111	111	107	116	109
Echidna	105	107	111	119	103
13008-18			103	104	132
Wallaby <sup>db</sup>					84
Bilby <sup>db</sup>	103	105	103	100	119
Kowari <sup>db</sup>	95	97	97	89	110
Mitika <sup>db</sup>	92	93	94	86	99
<b>Sowing date</b>	<b>23 May</b>	<b>18 May</b>	<b>8 May</b>	<b>11 May</b>	<b>17 May</b>
<b>Rainfall J–M (mm)</b>	<b>31</b>	<b>80</b>	<b>174</b>	<b>95</b>	<b>84</b>
<b>Rainfall A–O (mm)</b>	<b>402</b>	<b>385</b>	<b>409</b>	<b>461</b>	<b>265</b>

Special thanks to 2023 trial cooperator, Blythvale Pastoral.

\* herbicide-tolerant variety. Learn more via the [NVT Long Term Yield Reporter](#)

WHEAT

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OAT

CANOLA

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LUPIN

## Oat variety disease ratings – South Australia and Victoria

The following tables contain varietal ratings for the predominant diseases of oat in South Australia and Victoria. These ratings are updated annually by crop pathologists and were released in March 2024.

Selected varieties of most relevance to South Australian, Victorian and Tasmanian growers are listed in alphabetical order and disease ratings are colour-coded to match resistance and tolerance ratings.

**Table 4: Oat disease guide for South Australia.**

Variety	Stem rust (east)*	Leaf rust (crown rust)*	Barley yellow dwarf virus (BYDV)	CCN	Stem nematode resistance	Stem nematode tolerance	Septoria	Bacterial blight	Red leather leaf
Archer <sup>db</sup>			MSS (P)		VS (P)	I (P)	MRMS (P)	MSS (P)	SVS (P)
Bannister <sup>db</sup>			MS	MR	MRMS	MT	MSS	S	MSS-SVS
Bilby <sup>db</sup>			S	S	S	MI	S	SVS	MS
Brusher <sup>db</sup>			S	MR	S	MT	MSS	SVS	MS
Carrolup			SVS	VS	S	I	MSS	MSS	SVS
Durack <sup>db</sup>			S	MRMS	S	MT	S	S	SVS
Echidna			MSS	MS	MRMS	MT	SVS	S	MSS
Goldie <sup>db</sup>			MS	MR	S	I	MS	S	SVS
Kingbale <sup>db</sup>			MS	R	MR	MT	MSS	MSS (P)	S (P)
Koala <sup>db</sup>			MSS	R	MS	MT	MSS	S	S
Kojonup <sup>db</sup>			MS	VS	MS	MT	MSS	SVS	S
Kowari <sup>db</sup>			S	S	S	I	S	S	S
Kultarr <sup>db</sup>			MSS (P)		S (P)	MI (P)	MS (P)	MS (P)	S (P)
Mitika <sup>db</sup>			SVS	VS	S	MT	SVS	S	SVS
Mulgara <sup>db</sup>			MSS	R	MR	MT	S/MS	MSS	SVS
Tungoo <sup>db</sup>			MSS	MR	R	MT	MRMS#	S	MRMS
Wallaby <sup>db</sup>			MS (P)		S (P)	MI (P)	MS (P)	MSS (P)	SVS (P)
Wandering			MSS	VS	S	MT	MSS	S	S
Williams <sup>db</sup>			MSS	S	S	MI	MSS	MSS	MS
Wintaroo			MS	R	MR	MT	MS#	S	S
Yallara <sup>db</sup>			S	R	MS	MI	MSS	S	SVS

\* ratings will be updated when available. Learn more via the [NVT Disease Ratings](#).

R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible,

T = tolerant, MT = moderately tolerant, MI = moderately intolerant, I = intolerant, VI = very intolerant,

(P) = provisional rating, - hyphen indicates a range, / indicates pathotype differences, # warning, may be more susceptible to alternate pathotypes.

WHEAT

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Table 5: Oat disease guide for Victoria.

Variety	Leaf rust (crown rust)*	Stem rust*	Bacterial blight	Barley yellow dwarf virus (BYDV)	CCN	Red leather leaf	Septoria blotch
Archer <sup>db</sup>			MSS (P)	MSS (P)		SVS (P)	MRMS (P)
Bannister <sup>db</sup>			S	MS	MR	MSS-SVS	MSS
Bilby <sup>db</sup>			SVS	S	S	MS	S
Brusher <sup>db</sup>			SVS	S	MR	MS	MSS
Carrolup			MSS	SVS	VS	SVS	MSS
Durack <sup>db</sup>			S	S	MRMS	SVS	S
Echidna			S	MSS	MS	MSS	SVS
Goldie <sup>db</sup>			S	MS	MR	SVS	MS
Kingbale <sup>db</sup>			MSS (P)	MS	R	S (P)	MSS
Koala <sup>db</sup>			S	MSS	R	S	MSS
Kojonup <sup>db</sup>			SVS	MS	VS	S	MSS
Kowari <sup>db</sup>			S	S	S	S	S
Kultarr <sup>db</sup>			MS (P)	MSS (P)		S (P)	MS (P)
Mitika <sup>db</sup>			S	SVS	VS	SVS	SVS
Mulgara <sup>db</sup>			MSS	MSS	R	SVS	S/MS
Tungoo <sup>db</sup>			S	MSS	MR	MRMS	MRMS#
Wallaby <sup>db</sup>			MSS (P)	MS (P)		SVS (P)	MS (P)
Wandering			S	MSS	VS	S	MSS
Williams <sup>db</sup>			MSS	MSS	S	MS	MSS
Wintaroo			S	MS	R	S	MS#
Yallara <sup>db</sup>			S	S	R	SVS	MSS

\* ratings will be updated when available. Learn more via the [NVT Disease Ratings](#).

R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible,

T = tolerant, MT = moderately tolerant, MI = moderately intolerant, I = intolerant, VI = very intolerant,

(P) = provisional rating, - hyphen indicates a range, / indicates pathotype differences, # warning, may be more susceptible to alternate pathotypes.

WHEAT

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OAT

CANOLA

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# CANOLA

## New canola varieties

The following information is for canola varieties released in the 12 months to the date when the MET analysis was published on NVT online. Please go to [nvt.grdc.com.au](http://nvt.grdc.com.au) to find trial results for any new varieties released since the publication of this harvest report.

Variety	Breeding company	End point royalty* (\$)	Comments supplied by breeding company <sup>1</sup>
DG Drummond TF	Nutrien Ag Solutions Ltd	N/A	DG Drummond TF is a tall, mid-late maturing, glyphosate-tolerant hybrid with group H blackleg resistance. DG Drummond TF is suited to medium to high-rainfall areas.
Hyola® Continuum CL	Advanta Seeds	N/A	An early-mid maturity Clearfield® hybrid, Continuum CL provides wide environmental adaptability with excellent grain oil potential. It exhibits strong yields in target environments and demonstrates excellent adaptability to growing regions with a range of 1.0–5.5 t/ha. Continuum CL showcases an exceptionally high level of early plant vigour, high lodging resistance, and an outstanding blackleg rating of 'R' due to its distinctive tri-group resistance, ADF.
Hyola® Defender CT	Advanta Seeds	N/A	A mid-season maturity CT hybrid, Defender CT delivers remarkable grain yield, robust plant vigour and a very high grain oil content. Defender CT performance is closely aligned with the renowned Hyola® Blazer TT variety. Defender CT offers uniform flowering, manageable height for direct harvesting and an exceptional blackleg rating of 'R' due to its distinctive tri-group resistance, ADF.
InVigor® LR 4540P	BASF Australia Ltd	N/A	New LibertyLink® hybrid with tolerance to both Liberty® and TruFlex®. Combines two herbicide tolerances with the flexibility of PodGuard® for shatter tolerance. Early-mid maturing variety suited to low and medium-rainfall zones. Marketed by BASF.
Monola® H524TT	Nuseed	N/A	Monola® H524TT is an early-mid maturing TT hybrid with excellent early vigour. It is Nuseed's second Monola TT hybrid with improved yield and oil profile. It has demonstrated competitive yield and oil content to commercial canola TT hybrids during trials and exhibits strong early vigour and good early biomass. Suited to medium to slow canola growing regions, Monola® H524TT demonstrates strong blackleg resistance and good harvestability. Limited commercial release in 2024.
PY421C	Pioneer Hi-Bred Aust		Variety description not supplied.
PY422G	Pioneer Hi-Bred Aust		Variety description not supplied.
PY525G	Pioneer Hi-Bred Aust		Variety description not supplied.

\* EPR amount is ex-GST, <sup>o</sup> denotes Plant Breeder's Rights apply. <sup>1</sup> All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder.

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CANOLA

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Refer to the latest *Crop Sowing Guide* for further information at [nvt.grdc.com.au/resources/crop-sowing-guides](http://nvt.grdc.com.au/resources/crop-sowing-guides)



## Canola variety yield performance – High rainfall South Australia, Victoria and Tasmania

Yield results are presented from the top-performing varieties within each NVT location in the region for the past five seasons. Results are presented (as a percentage) for each variety relative to the mean trial yield for the location within each year. Varieties are listed in descending order of average yield over the period.

The Long Term Yield Reporter provides additional information on varieties not listed and can be viewed as a table or chart with error bars. Rainfall is provided for January to March (J–M) and April to October (A–O) and, where relevant, irrigation from April to October.

**Table 1: Hamilton med-high rainfall GLY.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	2.89	3.55	4.23	3.40	3.58
Pioneer® 45Y28 RR		105	110	116	113
PY525G					115
Nuseed® Eagle TF			109	115	113
DG Drummond TF			105	108	107
PY422G					106
Pioneer® 44Y30 RR		105	104	108	103
InVigor® R 4520P	108	107	104	101	103
Nuseed® Hunter TF				107	103
DG Hotham TF				108	104
Hyola® Regiment XC				102	105
<b>Sowing date</b>	<b>9 May</b>	<b>16 Apr</b>	<b>14 Apr</b>	<b>29 Apr</b>	<b>20 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>33</b>	<b>97</b>	<b>107</b>	<b>80</b>	<b>111</b>
<b>Rainfall A–O (mm)</b>	<b>422</b>	<b>570</b>	<b>419</b>	<b>521</b>	<b>374</b>

Special thanks to 2023 trial cooperator, Robertson Partnership.  
Learn more via the [NVT Long Term Yield Reporter](#)

**Table 2: Inverleigh med-high rainfall GLY.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)		3.96	4.23	4.29	4.12
Pioneer® 45Y28 RR		104	113	102	111
Nuseed® Eagle TF			112	102	110
InVigor® R 4520P			112	101	109
PY525G					113
Pioneer® 44Y30 RR			111	100	108
PY422G					102
Nuseed® Hunter TF				106	103
DG Drummond TF			106	101	105
InVigor® LR 4540P				110	98
DG Hotham TF				100	100
<b>Sowing date</b>	<b>2 May</b>	<b>21 Apr</b>	<b>19 Apr</b>	<b>13 May</b>	<b>14 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>47</b>	<b>112</b>	<b>94</b>	<b>133</b>	<b>67</b>
<b>Rainfall A–O (mm)</b>	<b>320</b>	<b>327</b>	<b>332</b>	<b>333</b>	<b>284</b>

Special thanks to 2023 trial cooperator, Leighview Ag.  
Learn more via the [NVT Long Term Yield Reporter](#)

**Table 3: Lake Bolac/Streatham med-high rainfall GLY.**

Year	2019	2020	2021	2022	2023	
Mean yield (t/ha)	2.99		4.57	4.30	3.90	
Pioneer® 45Y28 RR		Compromised trial	110	108	108	
Nuseed® Eagle TF			110	108	108	
InVigor® R 4520P	110		104	106	110	
Pioneer® 44Y30 RR			108	107	108	
PY525G					105	
PY422G					105	
Nuseed® Hunter TF				104	107	
DG Drummond TF				106	105	
InVigor® LR 4540P					103	
DG Hotham TF				107	104	
<b>Sowing date</b>	<b>1 May</b>		<b>14 Apr</b>	<b>27 Apr</b>	<b>23 Apr</b>	<b>29 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>31</b>		<b>108</b>	<b>174</b>	<b>95</b>	<b>84</b>
<b>Rainfall A–O (mm)</b>	<b>402</b>	<b>403</b>	<b>409</b>	<b>461</b>	<b>265</b>	

Special thanks to 2023 trial cooperator, Blythvale Pastoral.  
Learn more via the [NVT Long Term Yield Reporter](#)

**Table 4: Frances med-high rainfall IML.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)		3.40	3.66	2.19	
PY421C				118	
Pioneer® 45Y95 (CL)			114	120	
Pioneer® 45Y93 CL			109	125	
Pioneer® 44Y94 CL			114	116	
Hyola® Continuum CL				110	
Hyola® Solstice CL			105	93	
VICTORY® V75-03CL		90	96		
Nuseed® Ceres IML			99		
Hyola® Equinox CL		87	98	85	
VICTORY® V7002CL		82			
<b>Sowing date</b>	<b>14 May</b>	<b>30 Apr</b>	<b>30 Apr</b>	<b>3 May</b>	<b>8 May</b>
<b>Rainfall J–M (mm)</b>	<b>22</b>	<b>81</b>	<b>40</b>	<b>98</b>	<b>54</b>
<b>Rainfall A–O (mm)</b>	<b>294</b>	<b>401</b>	<b>339</b>	<b>428</b>	<b>335</b>

Special thanks to 2023 trial cooperator, Wayne Hawkins.

Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties have not been included in this trial, but have been tested in other herbicide trials at this location: Hyola® Defender CT.

Learn more via the [NVT Long Term Yield Reporter](#)

Table 5: Hamilton med-high rainfall IMI.

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	2.65	3.55	4.05	3.11	3.59
Pioneer® 45Y95 (CL)	116		118	129	121
Pioneer® 45Y93 CL	114	115	116	122	119
PY421C				121	117
Pioneer® 44Y94 CL		112		129	116
Hyola® Continuum CL				121	111
Pioneer® 45Y91 (CL)	104	105			
Hyola® Solstice CL				104	104
PY520TC				100	105
VICTORY® V75-03CL	92	95			93
Hyola® Equinox CL		91	94		
<b>Sowing date</b>	<b>9 May</b>	<b>16 Apr</b>	<b>14 Apr</b>	<b>29 Apr</b>	<b>20 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>33</b>	<b>97</b>	<b>107</b>	<b>80</b>	<b>111</b>
<b>Rainfall A–O (mm)</b>	<b>422</b>	<b>570</b>	<b>419</b>	<b>521</b>	<b>374</b>

Special thanks to 2023 trial cooperator, Robertson Partnership.

Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties have not been included in this trial, but have been tested in other herbicide trials at this location: Hyola® Defender CT and Hyola® Regiment XC. Learn more via the [NVT Long Term Yield Reporter](#)

Table 6: Inverleigh med-high rainfall IMI.

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	3.90	3.64	4.10	4.46	4.07
PY421C				113	118
Pioneer® 45Y95 (CL)	108		119	110	118
Pioneer® 45Y93 CL	109	121	116	109	117
Pioneer® 44Y94 CL	109	123	112	114	113
Hyola® Continuum CL				109	107
Pioneer® 45Y91 (CL)	103	106			
PY520TC				95	103
Hyola® Solstice CL				95	106
VICTORY® V75-03CL	95	94	93		92
Hyola® Equinox CL		79	100		
<b>Sowing date</b>	<b>2 May</b>	<b>21 Apr</b>	<b>19 Apr</b>	<b>13 May</b>	<b>14 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>47</b>	<b>112</b>	<b>94</b>	<b>133</b>	<b>67</b>
<b>Rainfall A–O (mm)</b>	<b>320</b>	<b>327</b>	<b>332</b>	<b>333</b>	<b>284</b>

Special thanks to 2023 trial cooperator, Leighview Ag.

Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties have not been included in this trial, but have been tested in other herbicide trials at this location: Hyola® Defender CT and Hyola® Regiment XC. Learn more via the [NVT Long Term Yield Reporter](#)

Table 7: Lake Bolac/Streatham med-high rainfall IMI.

Year	2019	2020	2021	2022	2023	
Mean yield (t/ha)	2.92		4.58	4.61	3.75	
Pioneer® 44Y94 CL	111	Compromised trial	122	118	121	
PY421C				116	122	
Pioneer® 45Y93 CL	116		118	117	118	
Pioneer® 45Y95 (CL)	114		119	116	119	
Hyola® Continuum CL				112	112	
Pioneer® 45Y91 (CL)	107					
PY520TC					100	97
Hyola® Solstice CL					95	97
VICTORY® V75-03CL	92			95		92
Hyola® Equinox CL				87		
<b>Sowing date</b>	<b>1 May</b>		<b>15 Apr</b>	<b>27 Apr</b>	<b>23 Apr</b>	<b>29 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>31</b>		<b>108</b>	<b>174</b>	<b>95</b>	<b>84</b>
<b>Rainfall A–O (mm)</b>	<b>402</b>	<b>403</b>	<b>409</b>	<b>461</b>	<b>265</b>	

Special thanks to 2023 trial cooperator, Blythvale Pastoral.

Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties have not been included in this trial, but have been tested in other herbicide trials at this location: Hyola® Defender CT and Hyola® Regiment XC. Learn more via the [NVT Long Term Yield Reporter](#)

Table 8: Frances med-high rainfall TT.

Year	2019	2020	2021	2022	2023		
Mean yield (t/ha)		3.05	3.49	2.40			
Hyola® Defender CT				120			
Hyola® Blazer TT		122	115	118			
PY520TC			114	118			
RGT Baseline® TT			108	121			
HyT Tec® Trifecta	Trial failed	117	114	114	Trial failed		
SF Dynatron TT		119	109	111			
HyT Tec® Trophy		111	113	107			
InVigor® T 6010		117	101	115			
DG Bidgee TT <sup>φ</sup>				113			
InVigor® T 4511			106	103			
<b>Sowing date</b>		<b>14 May</b>	<b>30 Apr</b>	<b>30 Apr</b>		<b>3 May</b>	<b>5 May</b>
<b>Rainfall J–M (mm)</b>		<b>22</b>	<b>81</b>	<b>40</b>		<b>98</b>	<b>54</b>
<b>Rainfall A–O (mm)</b>		<b>294</b>	<b>401</b>	<b>339</b>		<b>428</b>	<b>335</b>

Special thanks to 2023 trial cooperator, Wayne Hawkins.

Learn more via the [NVT Long Term Yield Reporter](#)

WHEAT

BARLEY

OAT

CANOLA

FABA BEAN

LUPIN

Table 9: Hamilton med-high rainfall TT.

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	2.64	2.88	3.64	2.86	
Hyola® Defender CT				132	Trial failed
Hyola® Blazer TT		116	119	131	
PY520TC			118	130	
HyTTec® Trifecta	115	112	117	128	
RGT Baseline® TT			117	121	
SF Dynatron TT			112	120	
HyTTec® Trophy	109	108	112	124	
InVigor® T 6010	111	111	110	106	
DG Bidgee TT <sup>Ⓛ</sup>				114	
Monola® H524TT				114	
<b>Sowing date</b>	<b>9 May</b>	<b>16 Apr</b>	<b>14 Apr</b>	<b>29 Apr</b>	
<b>Rainfall J–M (mm)</b>	<b>33</b>	<b>97</b>	<b>107</b>	<b>80</b>	<b>111</b>
<b>Rainfall A–O (mm)</b>	<b>422</b>	<b>570</b>	<b>419</b>	<b>521</b>	<b>374</b>

Special thanks to 2023 trial cooperator, Robertson Partnership.  
Learn more via the [NVT Long Term Yield Reporter](#)

Table 10: Inverleigh med-high rainfall TT.

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	3.51	3.59	4.06	3.86	3.67
Hyola® Defender CT				114	117
Hyola® Blazer TT		119	118	113	119
PY520TC			116	111	117
RGT Baseline® TT			117	107	119
HyTTec® Trifecta	107	110	119	108	119
SF Dynatron TT			108	113	111
HyTTec® Trophy	104	110	111	109	111
InVigor® T 6010	108	109	111	103	114
DG Bidgee TT <sup>Ⓛ</sup>				98	112
Renegade TT <sup>Ⓛ</sup>			90		97
<b>Sowing date</b>	<b>2 May</b>	<b>21 Apr</b>	<b>19 Apr</b>	<b>13 May</b>	<b>14 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>47</b>	<b>112</b>	<b>94</b>	<b>133</b>	<b>67</b>
<b>Rainfall A–O (mm)</b>	<b>320</b>	<b>327</b>	<b>332</b>	<b>333</b>	<b>284</b>

Special thanks to 2023 trial cooperator, Leighview Ag.  
Learn more via the [NVT Long Term Yield Reporter](#)

Table 11: Lake Bolac/Streamham med-high rainfall TT.

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)	2.73		3.93	3.65	3.42
Hyola® Defender CT		Compromised trial		124	122
Hyola® Blazer TT			124	121	121
PY520TC			123	120	119
RGT Baseline® TT			116	117	116
HyTTec® Trifecta	114		118	116	117
SF Dynatron TT			118	116	117
HyTTec® Trophy	106		117	113	114
InVigor® T 6010	115		105	109	110
DG Bidgee TT <sup>Ⓛ</sup>				108	105
Monola® H524TT			109	104	102
<b>Sowing date</b>	<b>1 May</b>	<b>14 Apr</b>	<b>27 Apr</b>	<b>23 Apr</b>	<b>29 Apr</b>
<b>Rainfall J–M (mm)</b>	<b>31</b>	<b>108</b>	<b>174</b>	<b>95</b>	<b>84</b>
<b>Rainfall A–O (mm)</b>	<b>402</b>	<b>403</b>	<b>409</b>	<b>461</b>	<b>265</b>

Special thanks to 2023 trial cooperator, Blythvale Pastoral.  
Learn more via the [NVT Long Term Yield Reporter](#)

WHEAT

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OAT

CANOLA

FABA BEAN

LUPIN

## Australian canola variety disease ratings

The following table contains varietal ratings for blackleg disease of canola.

These ratings are updated twice a year by crop pathologists and were released in autumn 2024.

Varieties are listed in alphabetical order and disease ratings are colour-coded to match resistance and susceptibility ratings.

Table 12: Canola disease guide – autumn 2024 ratings.

Variety	2024 autumn blackleg rating			Type
	Bare	Fluopyram (e.g. ILeVO®)	Pydiflumetofen (e.g. Saltro®)	
<b>CONVENTIONAL VARIETIES</b>				
<b>TRIAZINE-TOLERANT VARIETIES</b>				
<b>IMIDAZOLINONE-TOLERANT VARIETIES</b>				

The autumn 2024 blackleg disease ratings will be added to this report when they become available. The most recent published ratings are available using the [Blackleg Management Guide](#) or the [NVT Disease Ratings tool](#).

- WHEAT
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- OAT
- CANOLA
- FABA BEAN
- LUPIN

R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible. Please check updated ratings using the [Blackleg Management Guide](#) or the [NVT Disease Ratings](#).

Continued on next page

Table 12: Canola disease guide – autumn 2024 ratings (continued).

Variety	2024 autumn blackleg rating			Type
	Bare	Fluopyram (e.g. ILeVO®)	Pydiflumetofen (e.g. Salstro®)	
<b>IMIDAZOLINONE AND TRIAZINE-TOLERANT VARIETIES</b>				
<b>GLYPHOSATE-TOLERANT VARIETIES</b>				
	The autumn 2024 blackleg disease ratings will be added to this report when they become available. The most recent published ratings are available using the <a href="#">Blackleg Management Guide</a> or the <a href="#">NVT Disease Ratings tool</a> .			
<b>GLYPHOSATE AND IMIDAZOLINONE-TOLERANT VARIETIES</b>				
<b>GLUFOSINATE AND TRIAZINE-TOLERANT VARIETIES</b>				

R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible. Please check updated ratings using the [Blackleg Management Guide](#) or the [NVT Disease Ratings](#).

- WHEAT
- BARLEY
- OAT
- CANOLA
- FABA BEAN
- LUPIN



# FABA BEAN

## Faba bean variety yield performance – High rainfall South Australia, Victoria and Tasmania

Yield results are presented from the top-performing varieties within each NVT location in the region for the past five seasons. Results are presented (as a percentage) for each variety relative to the mean trial yield for the location within each year. Varieties are listed in descending order of average yield over the period. The Long Term Yield Reporter provides additional information on varieties not listed and can be viewed as a table or chart with error bars. Rainfall is provided for January to March (J–M) and April to October (A–O) and, where relevant, irrigation from April to October.

**Table 1: Bool Lagoon faba bean.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)		4.26	4.59	4.55	3.22
PBA Samira <sup>Ⓛ</sup>		100	100	105	99
PBA Amberley <sup>Ⓛ</sup>		99	101	104	98
PBA Zahra <sup>Ⓛ</sup>		88	105	107	101
PBA Rana <sup>Ⓛ</sup>			92	83	90
Fiesta VF	No trial	100	96	96	101
Farah <sup>Ⓛ</sup>		97	98	96	102
PBA Marne <sup>Ⓛ</sup>		90	92	100	110
PBA Bendoc <sup>Ⓛ*</sup>		89	106	91	102
Nura <sup>Ⓛ</sup>		97	102	84	101
Sowing date		29 May	12 May	27 May	30 May
Rainfall J–M (mm)		66	59	72	75
Rainfall A–O (mm)		452	412	418	428

Special thanks to 2023 trial cooperator.

\* herbicide-tolerant variety. Learn more via the [NVT Long Term Yield Reporter](#)

**Table 2: Lake Bolac/Streatham faba bean.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)		4.16	6.38	3.38	4.82
PBA Samira <sup>Ⓛ</sup>		103	99	107	99
PBA Amberley <sup>Ⓛ</sup>		104	97	101	98
PBA Rana <sup>Ⓛ</sup>			88	87	84
PBA Zahra <sup>Ⓛ</sup>		89	97	96	102
Fiesta VF	No trial	100	91	94	96
PBA Marne <sup>Ⓛ</sup>		78	94	107	101
Farah <sup>Ⓛ</sup>		96	90	88	96
PBA Bendoc <sup>Ⓛ*</sup>		87	91	61	99
Nura <sup>Ⓛ</sup>		96	86	57	94
Sowing date		27 April	18 April	18 April	1 May
Rainfall J–M (mm)		108	140	95	84
Rainfall A–O (mm)		403	461	461	265

Special thanks to 2023 trial cooperator, Blythvale Pastoral.

\* herbicide-tolerant variety. Learn more via the [NVT Long Term Yield Reporter](#)

Refer to the latest *Crop Sowing Guide* for further information at [nvt.grdc.com.au/resources/crop-sowing-guides](http://nvt.grdc.com.au/resources/crop-sowing-guides)

## Faba bean variety disease ratings – South Australia and Victoria

The following table contains varietal ratings for the predominant diseases of faba bean in South Australia and Victoria. These ratings are updated annually by crop pathologists and were released in March 2024. Selected varieties of most relevance to South Australian, Victorian and Tasmanian growers are listed in alphabetical order and disease ratings are colour-coded to match resistance and tolerance ratings.

**Table 3: Faba bean disease guide for South Australia and Victoria.**

Variety	Ascochyta blight	Cercospora leaf spot	Chocolate spot (Botrytis)	RLN resistance ( <i>Pratylenchus thornei</i> )*	Leaf rust
Cairo	VS	S	S		S
Doza	VS	S	S		MR
Farah <sup>db</sup>	MS	S	S		VS
FBA Ayla <sup>db</sup>		S	S		MR
Fiesta VF	S	S	S		VS
Nura <sup>db</sup>	MR (P)	S	MS		VS
PBA Amberley <sup>db</sup>	MR	S	MRMS		VS
PBA Bendoc <sup>db</sup>	MR	S	S		VS
PBA Marne <sup>db</sup>	MS	S	MS (P)		MRMS
PBA Nanu <sup>db</sup>		S	S		MR
PBA Nasma <sup>db</sup>	S	S	S		MRMS
PBA Rana <sup>db</sup>	MRMS (P)	S	MS		VS
PBA Samira <sup>db</sup>	MR (P)	S	MS		S
PBA Warda <sup>db</sup>	S	S	S		MRMS
PBA Zahra <sup>db</sup>	MRMS	S	MS		S

\* ratings will be updated when available. Learn more via the [NVT Disease Ratings](#).

R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible, (P) = provisional rating.



# LUPIN

## New lupin varieties

The following information is for lupin varieties released in the 12 months to the date when the MET analysis was published on NVT online. Please go to [nvt.grdc.com.au](http://nvt.grdc.com.au) to find trial results for any new varieties released since the publication of this harvest report.

Variety	Breeding company	End point royalty* (\$)	Comments supplied by breeding company <sup>1</sup>
Rosemont <sup>Ⓓ</sup>	Australian Grain Technologies	TBC	A very high yielding alternative to PBA Jurien <sup>Ⓓ</sup> , Coyote <sup>Ⓓ</sup> and Mandelup <sup>Ⓓ</sup> . Best performance in softer finishing situations and southern WA environments. Unique white flower and faintly speckled seed. Metribuzin tolerant. Excellent early vigour. Reduced risk of seed splitting compared with PBA Jurien <sup>Ⓓ</sup> . Taller plant height, may improve harvestability. Moderately resistant to stem Phomopsis. Good CMV resistance. Slightly slower maturity relative to PBA Jurien <sup>Ⓓ</sup> , slightly quicker than Coyote <sup>Ⓓ</sup> .

\* EPR amount is ex-GST, <sup>Ⓓ</sup> denotes Plant Breeder's Rights apply. <sup>1</sup> All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder.

WHEAT

BARLEY

OAT

CANOLA

FABA BEAN

LUPIN

Refer to the latest *Crop Sowing Guide* for further information at [nvt.grdc.com.au/resources/crop-sowing-guides](http://nvt.grdc.com.au/resources/crop-sowing-guides)

## Lupin variety yield performance – High rainfall South Australia, Victoria and Tasmania

Yield results are presented from the top-performing varieties within each NVT location in the region for the past five seasons. Results are presented (as a percentage) for each variety relative to the mean trial yield for the location within each year. Varieties are listed in descending order of average yield over the period.

The Long Term Yield Reporter provides additional information on varieties not listed and can be viewed as a table or chart with error bars. Rainfall is provided for January to March (J–M) and April to October (A–O) and, where relevant, irrigation from April to October.

**Table 1: Frances narrow-leaf lupin.**

Year	2019	2020	2021	2022	2023
Mean yield (t/ha)		2.34	2.00	2.60	
PBA Barlock <sup>db</sup>	Trial failed	101	108	130	No trial
PBA Jurien <sup>db</sup>		105	111	121	
Jenabillup <sup>db</sup>		101	103	121	
PBA Bateman <sup>db</sup>		106	102	112	
PBA Gunyidi <sup>db</sup>		104	100	114	
Wonga		90	94	125	
Mandelup <sup>db</sup>		101	103	103	
Rosemont <sup>db</sup>				89	
Lawler <sup>db</sup>		105	101	89	
Coyote <sup>db</sup>		109	98	86	
<b>Sowing date</b>	<b>28 May</b>	<b>28 May</b>	<b>30 May</b>	<b>27 May</b>	
<b>Rainfall J–M (mm)</b>	<b>22</b>	<b>81</b>	<b>40</b>	<b>98</b>	
<b>Rainfall A–O (mm)</b>	<b>294</b>	<b>401</b>	<b>339</b>	<b>428</b>	

No 2023 trial cooperator.

Learn more via the [NVT Long Term Yield Reporter](#)

## Lupin variety disease ratings – South Australia and Victoria

The following table contains varietal ratings for the predominant diseases of lupin in South Australia and Victoria. These ratings are updated annually by crop pathologists and were released in March 2024.

Selected varieties of most relevance to South Australian, Victorian and Tasmanian growers are listed in alphabetical order and disease ratings are colour-coded to match resistance and tolerance ratings.

**Table 2: Lupin disease guide for South Australia and Victoria.**

Variety	Anthrachnose resistance	Cucumber mosaic virus (CMV)*	Phomopsis pod infection	Phomopsis stem infection	Sclerotinia stem rot
Coromup <sup>db</sup>	MR		MS	MR	S (P)
Coyote <sup>db</sup>	MRMS		MRMS	S	S (P)
Gidgee <sup>db</sup>	RMR		S (P)	MR	S (P)
Jenabillup <sup>db</sup>	MS		MR	MS	S (P)
Lawler <sup>db</sup>	MR		MS	MR	S (P)
Mandelup <sup>db</sup>	MRMS		S	MR	S (P)
PBA Barlock <sup>db</sup>	RMR		MR	MR	S (P)
PBA Bateman <sup>db</sup>	MRMS		MS	RMR	S (P)
PBA Gunyidi <sup>db</sup>	MRMS		MRMS	RMR	S (P)
PBA Jurien <sup>db</sup>	RMR		MRMS	RMR	S (P)
PBA Leeman <sup>db</sup>	MRMS		MRMS	MR	S (P)
Rosemont <sup>db</sup>	MRMS		MRMS (P)	MR	S (P)
Wonga	MR		MR	MR	S (P)

\* ratings will be updated when available. Learn more via the [NVT Disease Ratings](#).

R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible, (P) = provisional rating.

WHEAT

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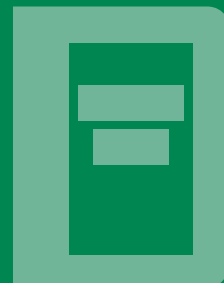
FABA BEAN

LUPIN

# NVT tools



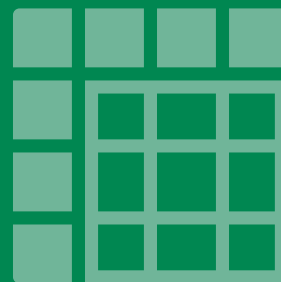
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