Albany

May 2025

GRDC NATIONAL VARIETY TRIALS™ | CELEBRATING 20 YEARS

NVT
HARVEST REPORT

nvt.grdc.com.au

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COVER: Kalyx Australia harvesting at the GRDC National Variety Trials (NVT) site on John and Brendan Pattison's farm near Marrar, New South Wales.
PHOTO: Nicole Baxter

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nvt.grdc.com.au/harvest-reports

LEGEND: MEAN VARIETY YIELD PERFORMANCE

HIGH **LOW**

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

LEGEND: DISEASE RATING COLOUR RANGE

R	RMR	MR	MRMS	MS	MSS	S	SVS	VS

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

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

INTRODUCTION

The NVT Harvest Report – Albany provides information to support growers and advisers with decisions on variety selection for **Albany**. 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 2024 and long-term yield performance of varieties of crop species suitable for production in **Albany** 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 – Albany*, 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 **Albany**.

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**

NVT 20th anniversary

In 2025, the National Variety Trials (NVT) proudly celebrates 20 years of empowering Australian grain growers and their advisers with trusted, independent results to support varietal decision-making.

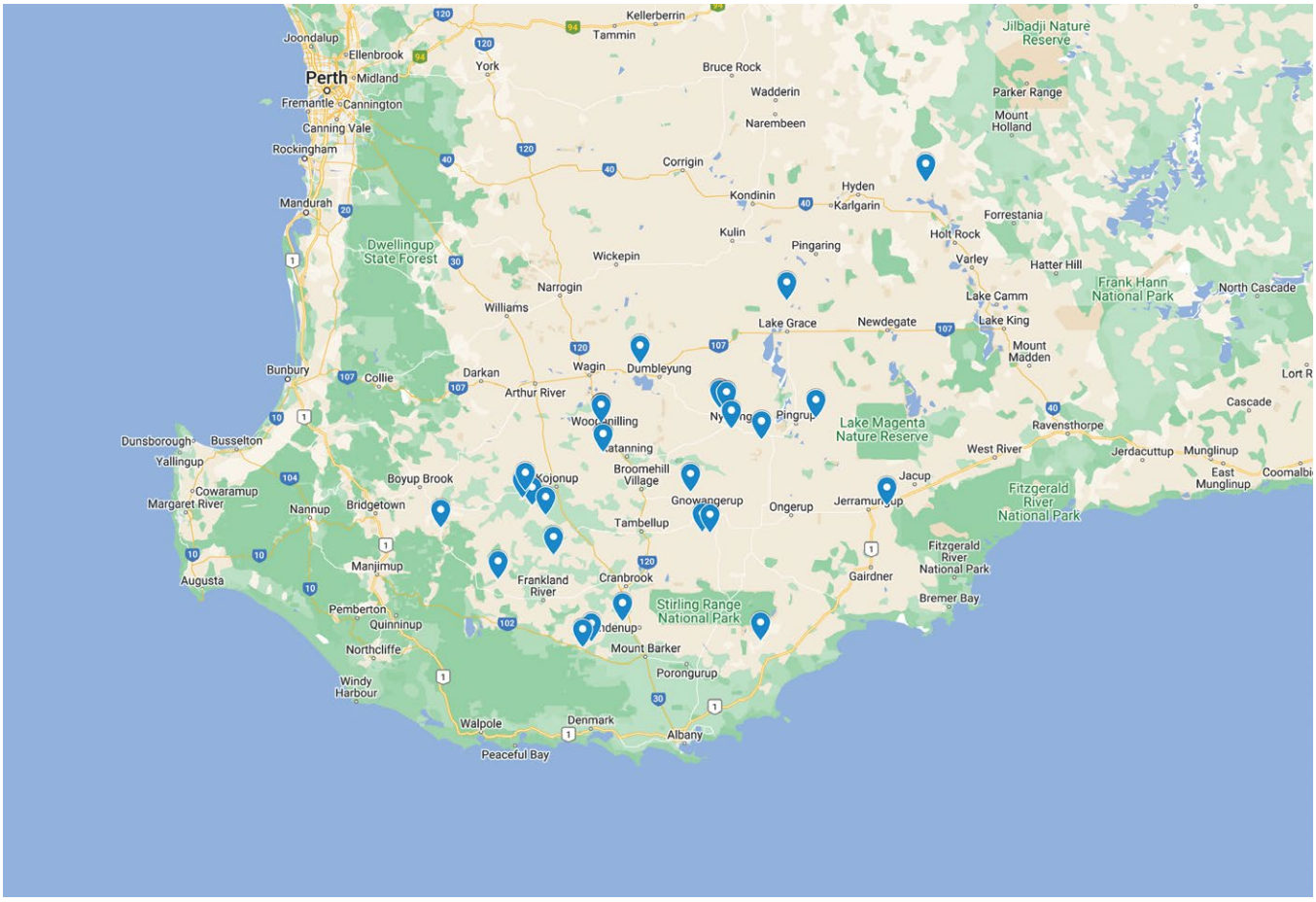
Established in 2005 by the Grains Research and Development Corporation (GRDC), the NVT program has evolved into the largest coordinated variety trial network in the world. Each year, more than 640 trials are conducted across over 300 locations nationwide, encompassing 10 different crop species. Over the past two decades, NVT has been a transformative force, providing growers with credible insights into newly released varieties that drives the rapid adoption of superior genetics.

The success of NVT is a testament to the collaborative efforts of many. GRDC extends heartfelt thanks to the growers, GRDC staff and panellists, service providers, trial hosts, breeding companies and members of the NVT Committee who have been instrumental in this journey. Your dedication has delivered exceptional outcomes, advancing the productivity and profitability of Australian grain growers and strengthening the grains industry as a whole.

As we mark this significant milestone, GRDC celebrates the achievements of NVT and looks forward to continuing to deliver game-changing innovations for Australia's grains sector in the years to come.

NVT SITE LOCATIONS – Albany

Figure 1: Locality of NVT trial sites in Albany from 2020 to 2024.



SOURCE: National Variety Trials

See all NVT trial locations and view trial results at 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 to find trial results for any new varieties released since the publication of this harvest report.

Variety	Breeding company	Grain classification – western zone	End point royalty* ($)	Comments supplied by breeding company[1]
Brighton(Φ)	Australian Grain Technologies Pty Ltd	TBC	4.10	Brighton(Φ) is a dual-purpose winter wheat suitable for grazing and grain production. It is a higher-yielding alternative to Illabo(Φ) and slightly quicker than Illabo(Φ). It has improved test weight compared with Illabo(Φ). **Maturity description:** quick winter
Lancelin(Φ)	Australian Grain Technologies Pty Ltd	TBC	3.70	Lancelin(Φ) has Australian Soft (ASFT) quality classification. It has high and stable yields in WA, similar to Scepter(Φ). It is similar to Scepter(Φ) with an excellent physical grain quality package, high test weights and low screenings. **Maturity description:** mid spring
LRPB Vortex(Φ)	LongReach Plant Breeders Pty Ltd	APW	3.50	LRBP Vortex(Φ) is a high-yielding variety suitable for main season sowing across all Western Australian agzones. LRPB Vortex(Φ) has a solid grain receivals performance. APW classification in WA. Marketed by Pacific Seeds. **Maturity description:** mid spring
Mammoth(Φ)	InterGrain Pty Ltd	APW	3.50	Mammoth(Φ)'s unique phenology makes it an excellent option for an early break scenario, from late March to mid-April. Unlike winter wheats that have similar maturity, Mammoth(Φ) does not have the same vernalisation requirement, allowing it to continue to develop using day length rather than needing low temperature to trigger flowering like winter varieties typically need. This attribute is advantageous in both high and low-rainfall regions as it allows Mammoth(Φ) to respond to seasonal conditions and minimise frost risk. Mammoth(Φ) is well suited to WA and SA and some areas in Victoria. **Maturity description:** very slow spring
Rottnest(Φ)	Australian Grain Technologies Pty Ltd	ANW	3.90	Rottnest(Φ) is an udon noodle wheat in a plant type similar to Scepter(Φ). It offers a substantial yield improvement over currently grown udon noodle varieties. It is very broadly adapted with stable yield across a range of environments. **Maturity description:** mid spring
Shotgun(Φ)	Australian Grain Technologies Pty Ltd	AH	3.90	Shotgun(Φ) is a Scepter(Φ) replacement with a significant yield advantage. It is agronomically very similar to Scepter(Φ). **Maturity description:** mid spring
Splendid(Φ)	InterGrain Pty Ltd	TBC	4.00	Splendid(Φ) is a high-yielding noodle wheat set to replace Ninja(Φ) across WA. Splendid(Φ) provides a significant yield jump over Ninja(Φ) and similar physical grain characteristics to Ninja(Φ). **Maturity description:** quick-mid spring
Wallaroo(Φ)	Trigall Australia	TBC	4.00	Variety description not supplied.

*EPR amount is ex-GST, (Φ)denotes Plant Breeder's Rights apply. [1]All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder. Consult the Grains Australia Wheat Variety Master List for final classification in your region.

Refer to the latest *Crop Sowing Guide* for further information at nvt.grdc.com.au/resources/crop-sowing-guides

Wheat variety yield performance – Albany

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: Gnowangerup main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	3.80	5.23	5.63		4.13
LRPB Vortex(b)	APW			114	Compromised trial	109
Rottnest(b)						113
RockStar(b)	AH (N)	106	109	108		112
Thumper(b)	AH					114
Shotgun(b)						112
Brumby(b)	APW (N)		109	107		110
Tomahawk CL Plus(b)	APW			108		106
Devil(b)	AH (N)	108	107	106		108
Splendid(b)						110
Calibre(b)	AH	110	107	102		108
Firefly(b)	ANW		108			112
LRPB Matador(b)	FEED			100		111
Scepter(b)	AH	108	105	106		104
Ninja(b)	ANW	104	106	104		108
Kinsei(b)	ANW	101	106	104		110
Sowing date		**26 May**	**27 May**	**12 May**	**16 May**	**5 May**
Rainfall J–M (mm)		**34**	**77**	**55**	**17**	**30**
Rainfall A–O (mm)		**214**	**451**	**384**	**266**	**264**

Special thanks to 2024 trial cooperator.
Learn more via the NVT Long Term Yield Reporter

Table 2: Hyden main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	2.19	3.94	3.78	2.36	4.35
Tomahawk CL Plus(b)	APW			113	114	111
LRPB Vortex(b)	APW			110	111	110
Shotgun(b)					111	111
Rottnest(b)						111
Vixen(b)	AH (N)	117	114	106	112	107
Calibre(b)	AH	108	112	108	111	110
Brumby(b)	APW (N)		112	110	109	109
Devil(b)	AH (N)	108	111	109	109	109
Scepter(b)	AH	110	110	109	109	107
Thumper(b)	AH				108	110
Sting(b)	AH	112	111	105	110	106
RockStar(b)	AH (N)	103	109	109	106	108
LRPB Matador(b)	FEED				107	109
Splendid(b)						107
Lancelin(b)				106	107	105
Sowing date		**25 May**	**26 May**	**25 May**	**31 May**	**8 May**
Rainfall J–M (mm)		**81**	**78**	**89**	**14**	**118**
Rainfall A–O (mm)		**118**	**288**	**324**	**178**	**191**

Special thanks to 2024 trial cooperator, Mayfield Grains.
Learn more via the NVT Long Term Yield Reporter

Table 3: Jerramungup main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	3.27	3.90	4.99	2.82	3.91
LRPB Vortex(b)	APW			115	110	111
Shotgun(b)					107	112
Tomahawk CL Plus(b)	APW			112	112	109
Rottnest(b)						112
Thumper(b)	AH				103	112
Brumby(b)	APW (N)		111	111	106	110
RockStar(b)	AH (N)	104	112	111	103	110
Devil(b)	AH (N)	106	110	110	106	109
Calibre(b)	AH	109	109	108	107	109
Vixen(b)	AH (N)	107	106	107	113	104
LRPB Matador(b)	FEED				103	109
Scepter(b)	AH	105	107	108	108	106
Splendid(b)						109
Firefly(b)	ANW		110		100	109
Sting(b)	AH	107	105	105	109	104
Sowing date		**25 May**	**26 May**	**12 May**	**17 May**	**3 May**
Rainfall J–M (mm)		**81**	**109**	**76**	**36**	**58**
Rainfall A–O (mm)		**237**	**469**	**404**	**277**	**230**

Special thanks to 2024 trial cooperator, Trent Parsons.
Learn more via the NVT Long Term Yield Reporter

Table 4: Kendenup main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	4.21		5.38	6.45	4.60
LRPB Vortex(b)	APW		Trial failed	116	114	113
RockStar(b)	AH (N)	112		113	114	109
Rottnest(b)						111
Thumper(b)	AH				112	107
Denison(b)	APW	112		108	118	101
Shotgun(b)					108	109
Kinsei(b)	ANW	110		109	115	103
Brumby(b)	APW (N)			113	108	109
Firefly(b)	ANW				111	104
Splendid(b)						108
Devil(b)	AH (N)	106		111	106	108
Tomahawk CL Plus(b)	APW			112	102	112
LRPB Matador(b)	FEED			111	105	105
Ninja(b)	ANW	106		108	106	106
Cutlass(b)	APW (N)	109		103	116	94
Sowing date		**19 May**	**27 May**	**14 May**	**8 May**	**8 May**
Rainfall J–M (mm)		**63**	**98**	**40**	**40**	**21**
Rainfall A–O (mm)		**363**	**551**	**481**	**545**	**412**

Special thanks to 2024 trial cooperator.
Learn more via the NVT Long Term Yield Reporter

Table 5: Kojonup main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.96	6.54	5.31	4.77	6.69
LRPB Vortex(Ф)	APW			114	111	111
Thumper(Ф)	AH				105	109
Tomahawk CL Plus(Ф)	APW			108	113	110
Rottnest(Ф)						109
Shotgun(Ф)					108	109
Brumby(Ф)	APW (N)		111	108	108	108
RockStar(Ф)	AH (N)	109	112	109	104	108
Devil(Ф)	AH (N)	107	109	107	107	108
Calibre(Ф)	AH	106	109	106	108	108
Firefly(Ф)	ANW		110		102	106
Vixen(Ф)	AH (N)	105	104	105	112	107
Splendid(Ф)						106
Scepter(Ф)	AH	105	106	105	108	106
LRPB Matador(Ф)	FEED			105	105	106
Kinsei(Ф)	ANW	107	110	107	98	104
Sowing date		**19 May**	**28 May**	**15 May**	**31 May**	**10 May**
Rainfall J–M (mm)		**35**	**99**	**35**	**8**	**4**
Rainfall A–O (mm)		**321**	**618**	**452**	**372**	**338**

Special thanks to 2024 trial cooperator, DT Stone & Co.
Learn more via the NVT Long Term Yield Reporter

Table 6: Lake Grace main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	1.84	5.44	4.87	3.58	3.47
Tomahawk CL Plus(Ф)	APW			111	112	107
Shotgun(Ф)					109	112
LRPB Vortex(Ф)	APW			108	106	109
Calibre(Ф)	AH	115	107	111	110	107
Vixen(Ф)	AH (N)	119	111	109	112	98
Rottnest(Ф)						114
Thumper(Ф)	AH				105	113
Brumby(Ф)	APW (N)		106	108	107	110
Sting(Ф)	AH	115	108	108	110	100
Devil(Ф)	AH (N)	111	106	108	107	108
LRPB Matador(Ф)	FEED				106	110
Scepter(Ф)	AH	111	106	107	107	104
RockStar(Ф)	AH (N)	105	104	105	102	113
Lancelin(Ф)				106	107	102
Splendid(Ф)						111
Sowing date		**20 May**	**25 May**	**12 May**	**8 May**	**3 May**
Rainfall J–M (mm)		**52**	**69**	**42**	**25**	**46**
Rainfall A–O (mm)		**183**	**388**	**303**	**208**	**186**

Special thanks to 2024 trial cooperator, Grant Marshall.
Learn more via the NVT Long Term Yield Reporter

Table 7: Stirlings South main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	3.62		5.29	5.71	3.20
LRPB Vortex(Ф)	APW			109	113	112
Thumper(Ф)	AH				112	116
Rottnest(Ф)						112
RockStar(Ф)	AH (N)	117		110	110	112
Shotgun(Ф)					111	113
Brumby(Ф)	APW (N)			109	110	111
Firefly(Ф)	ANW					113
Devil(Ф)	AH (N)	111	Trial failed	108	109	109
Tomahawk CL Plus(Ф)	APW			108	110	107
Kinsei(Ф)	ANW	114		106	106	112
Splendid(Ф)						109
Denison(Ф)	APW	118		103	106	111
LRPB Matador(Ф)	FEED			108	108	110
Calibre(Ф)	AH	106		106	109	110
Ninja(Ф)	ANW	107		108	106	107
Sowing date		**25 May**	**26 May**	**13 May**	**17 May**	**5 May**
Rainfall J–M (mm)		**84**	**112**	**65**	**38**	**26**
Rainfall A–O (mm)		**295**	**609**	**496**	**407**	**259**

Special thanks to 2024 trial cooperator.
Learn more via the NVT Long Term Yield Reporter

Table 8: Wagin main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	3.06	5.13	3.57	2.15	4.01
LRPB Vortex(Ф)	APW			114	115	110
Rottnest(Ф)						111
Shotgun(Ф)						111
Tomahawk CL Plus(Ф)	APW			114	117	106
Thumper(Ф)	AH				106	113
Brumby(Ф)	APW (N)		110	113	110	109
Calibre(Ф)	AH	110	109	112	110	108
RockStar(Ф)	AH (N)	105	111	113	106	110
Devil(Ф)	AH (N)	108	109	112	110	107
LRPB Matador(Ф)	FEED			112	105	109
Firefly(Ф)	ANW		109		102	110
Splendid(Ф)						108
Scepter(Ф)	AH	109	106	109	111	104
Vixen(Ф)	AH (N)	111	106	106	116	101
Ninja(Ф)	ANW	104	106	109	104	106
Sowing date		**25 May**	**28 May**	**28 May**	**31 May**	**2 May**
Rainfall J–M (mm)		**66**	**63**	**26**	**26**	**18**
Rainfall A–O (mm)		**177**	**411**	**308**	**220**	**241**

Special thanks to 2024 trial cooperator, Paul Ward.
Learn more via the NVT Long Term Yield Reporter

Table 9: Hyden early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	2.11	4.82	3.42	3.25	3.61
Mammoth(Ф)	APW				106	120
RockStar(Ф)	AH (N)	128	120	108	113	100
Denison(Ф)	APW	119	115	113	113	104
Kinsei(Ф)	ANW	122	116	107	111	101
Brumby(Ф)	APW (N)				110	96
Wallaroo(Ф)				117	107	113
Catapult(Ф)	AH	124	112	103	108	97
Valiant(Ф) CL Plus	AH		110	111	104	103
Cutlass(Ф)	APW (N)	105	104	107	101	102
Stockade(Ф)	APW			112	97	112
Mowhawk(Ф)	AH			101		107
EG Titanium(Ф)	APW	108	100	92	97	93
Magenta(Ф)	APW	101	100	94	95	96
DS Pascal(Ф)	APW	98	100	99	87	96
Brighton(Ф)					101	104
Sowing date		**30 Apr**	**23 Apr**	**12 Apr**	**26 Apr**	**17 Apr**
Rainfall J–M (mm)		**81**	**78**	**89**	**14**	**118**
Rainfall A–O (mm)		**118**	**288**	**324**	**178**	**191**
Irrigation A–O (mm)					**10**	**20**

Special thanks to 2024 trial cooperator, Mayfield Grains.
Learn more via the NVT Long Term Yield Reporter

Table 10: Jerramungup early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class		4.73	4.13	3.08	3.96
Mammoth(Ф)	APW	Compromised trial			89	127
Wallaroo(Ф)				132	105	123
Denison(Ф)	APW		112	110	119	105
Stockade(Ф)	APW			127	88	122
Valiant(Ф) CL Plus	AH		108	111	102	108
Mowhawk(Ф)	AH			114		107
Kinsei(Ф)	ANW		123	94	114	92
RockStar(Ф)	AH (N)		130	88	116	88
Cutlass(Ф)	APW (N)		98	111	100	109
Brighton(Ф)					110	111
Catapult(Ф)	AH		115	89	112	90
Brumby(Ф)	APW (N)				113	85
Longsword(Ф)	AWW		72	109	111	107
Illabo(Ф)	AH		83	100	96	101
DS Pascal(Ф)	APW		103	96	69	101
Sowing date		**1 May**	**28 Apr**	**14 Apr**	**13 Apr**	**15 Apr**
Rainfall J–M (mm)		**81**	**109**	**76**	**36**	**58**
Rainfall A–O (mm)		**237**	**469**	**404**	**277**	**230**
Irrigation A–O (mm)					**10**	**20**

Special thanks to 2024 trial cooperator, Trent Parsons.
Learn more via the NVT Long Term Yield Reporter

Table 11: Stirlings South early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class		5.41	5.48	5.92	2.84
Mammoth(Ф)	APW	Compromised trial			99	106
Wallaroo(Ф)				115	105	112
Denison(Ф)	APW		108	109	108	116
Genie(Ф)	AH				104	111
Mowhawk(Ф)	AH			104		113
Kinsei(Ф)	ANW		108	104	103	109
RockStar(Ф)	AH (N)		109	104	102	109
Valiant(Ф) CL Plus	AH		104	107	104	107
Stockade(Ф)	APW			111	99	100
Cutlass(Ф)	APW (N)		100	104	104	106
Brumby(Ф)	APW (N)				102	106
Catapult(Ф)	AH		102	100	103	107
Brighton(Ф)					103	105
Severn(Ф)	FEED		105	104	96	94
Willaura(Ф)	FEED				100	98
Sowing date		**2 May**	**21 Apr**	**28 Apr**	**19 Apr**	**14 Apr**
Rainfall J–M (mm)		**84**	**112**	**65**	**38**	**26**
Rainfall A–O (mm)		**295**	**609**	**496**	**407**	**259**
Irrigation A–O (mm)		**10**				**20**

Special thanks to 2024 trial cooperator.
Learn more via the NVT Long Term Yield Reporter

Wheat variety quality – Albany

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 2023 and 2024 NVT averaged for trials in the Albany 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 main season wheat varieties from seven NVT sites in Albany in 2023.

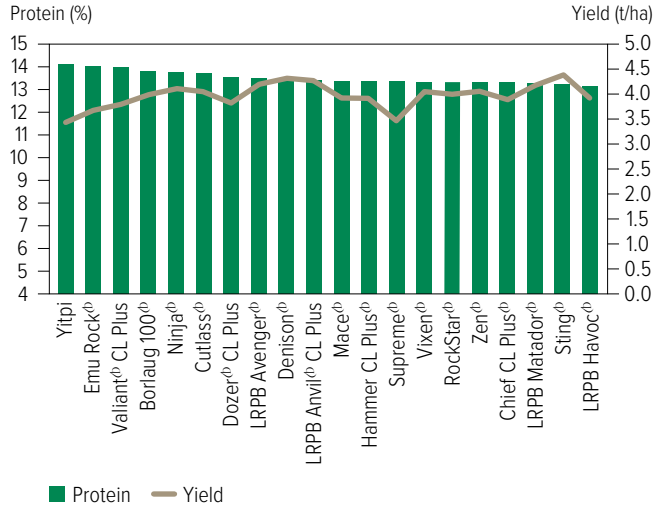


Figure 2: Protein (%) and yield (t/ha) comparisons for main season wheat varieties from eight NVT sites in Albany in 2024.

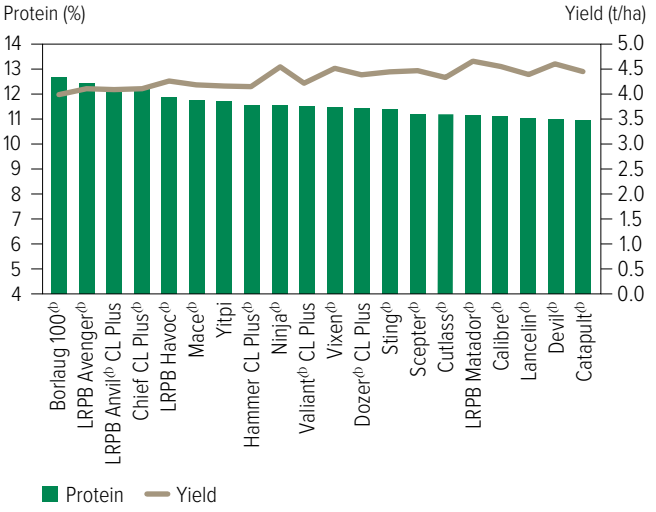


Figure 3: Protein (%) and yield (t/ha) comparisons for early season wheat varieties from three NVT sites in Albany in 2023.

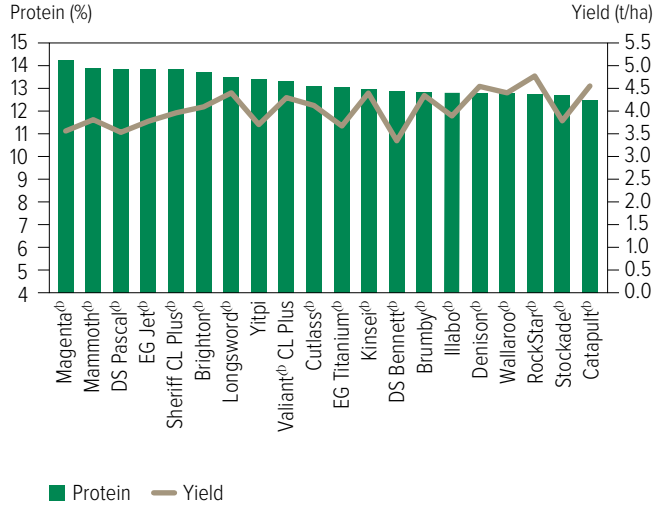
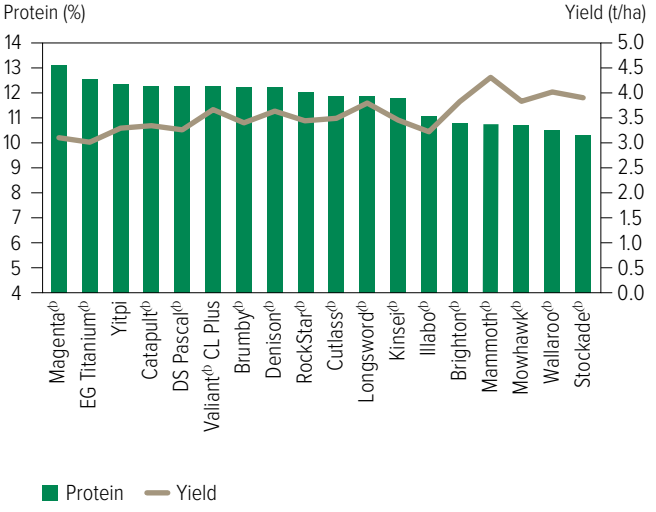


Figure 4: Protein (%) and yield (t/ha) comparisons for early season wheat varieties from three NVT sites in Albany in 2024.



Test weight comparisons

Figure 5: Test weight (kg/hL) comparisons for main season wheat varieties from seven NVT sites in Albany in 2023.

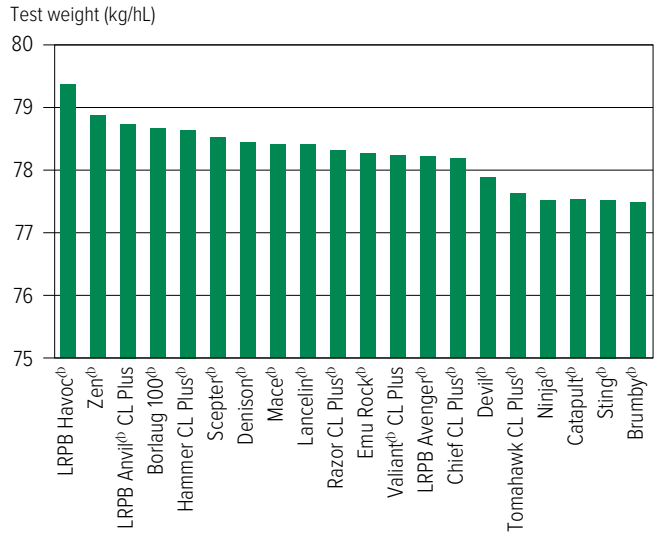


Figure 6: Test weight (kg/hL) comparisons for main season wheat varieties from eight NVT sites in Albany in 2024.

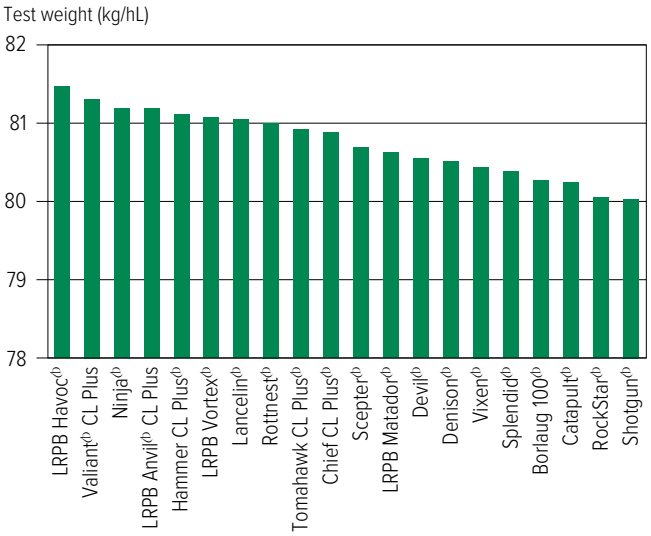


Figure 7: Test weight (kg/hL) comparisons for early season wheat varieties from three NVT sites in Albany in 2023.

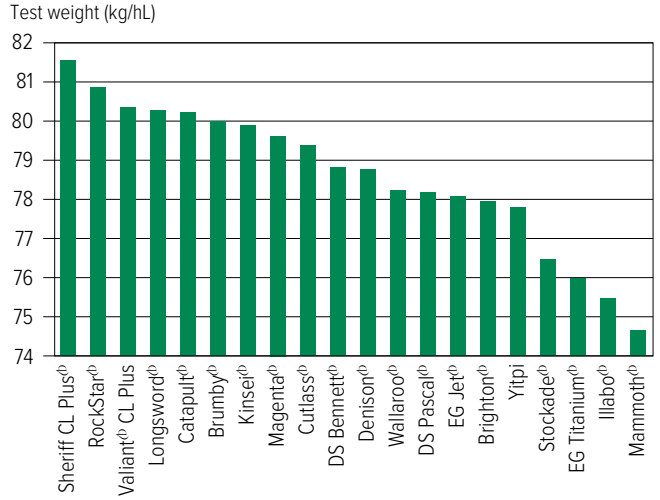
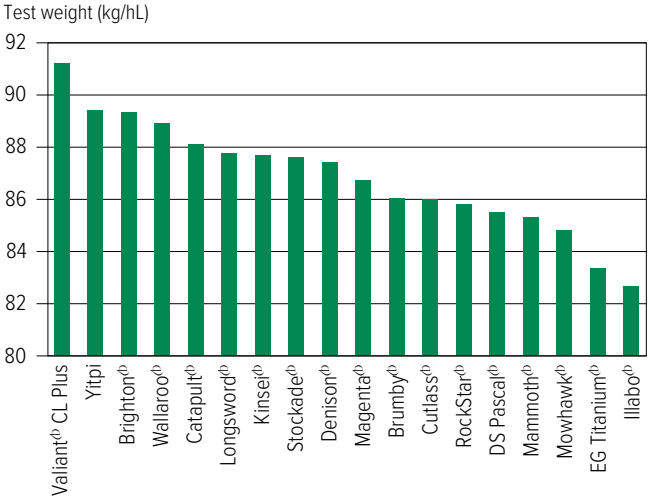


Figure 8: Test weight (kg/hL) comparisons for early season wheat varieties from three NVT sites in Albany in 2024.



Screenings comparisons

Figure 9: Screenings (<2.0mm) comparisons for main season wheat varieties from seven NVT sites in Albany in 2023.

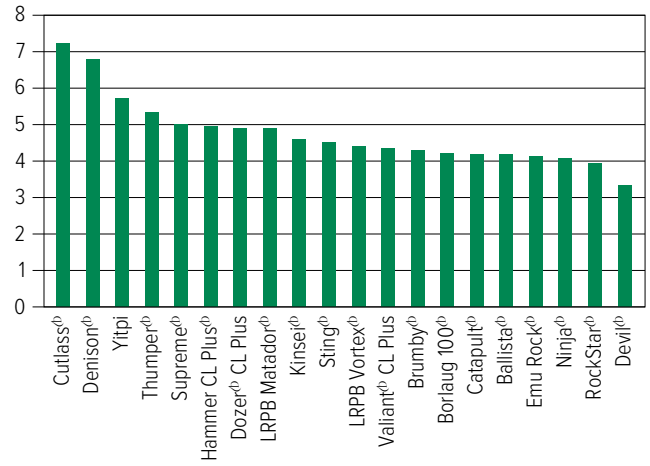


Figure 10: Screenings (<2.0mm) comparisons for main season wheat varieties from eight NVT sites in Albany in 2024.

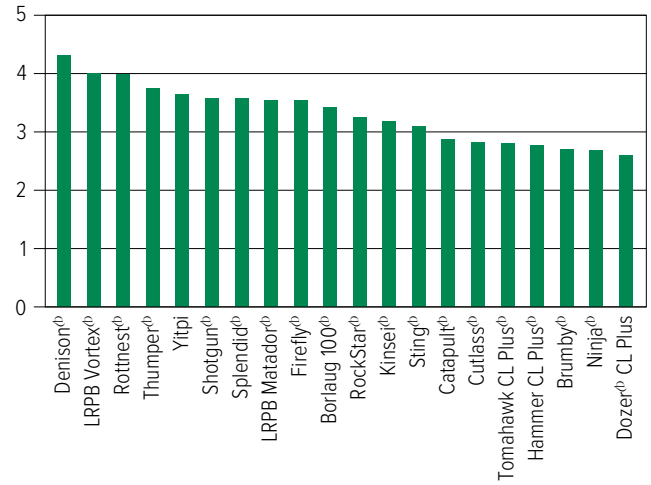


Figure 11: Screenings (<2.0mm) comparisons for early season wheat varieties from three NVT sites in Albany in 2023.

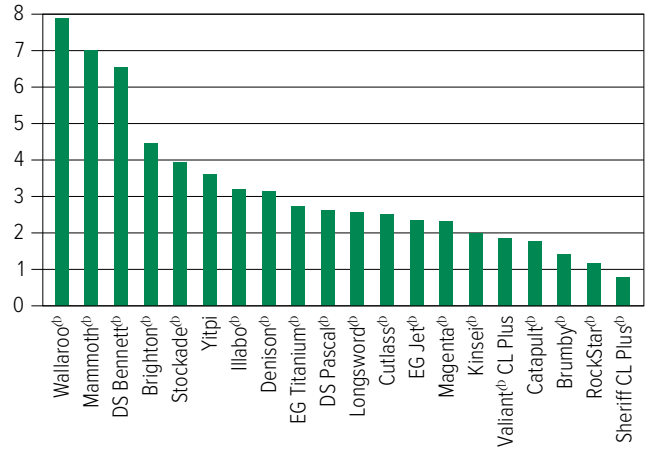
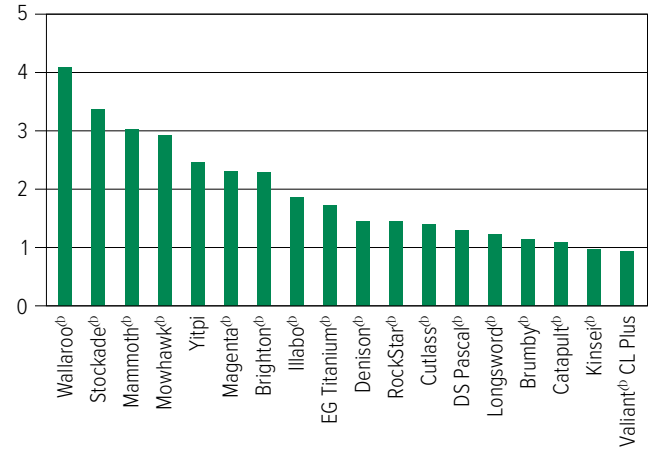


Figure 12: Screenings (<2.0mm) comparisons for early season wheat varieties from three NVT sites in Albany in 2024.



Wheat variety disease ratings – Western Australia

The following tables contain varietal ratings for the predominant diseases of wheat in Western Australia. These ratings are updated annually by crop pathologists and were released in March 2025.

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

Table 12: Wheat disease guide for Western Australia.

Variety	Yellow spot	Nodorum blotch (leaf)	Nodorum blotch (glume)	Stem rust	Stripe rust (west coast resistance)	Leaf rust	Powdery mildew	*Septoria tritici* blotch	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus quasitereoides*)	CCN	Crown rot
Ballista(b)	MS	MS	MRMS	MR		S	S	SVS	S		MRMS	S
Boree(b)	MRMS	MS	MRMS	MR		S	S	S	S		MSS	S
Borlaug 100(b)	MRMS	MRMS	MRMS	MR	RMR	MR	S	MS	S		MS	MSS
Brighton(b)	MRMS	MR	MR	MRMS	RMR	S	MSS	MRMS (P)	S		R	S
Brumby(b)	MRMS	MRMS	MS	MR	RMR	SVS	R	MSS (P)	MRMS	MS (P)	MRMS	S
Calibre(b)	MRMS	MS	MSS	MR	RMR	S	MSS	S	S	MS	MRMS	S
Catapult(b)	MRMS	MRMS	MS	MR	RMR	S	S	MSS	S	MRMS	R	MSS
Chief CL Plus(b)	MRMS	MS	MRMS	MR	S	MR	S	MSS	MRMS	MRMS	MS	MSS
Coota(b)	MSS	MRMS	MS	RMR		MR	S	MSS	MR		MR	MSS
Cutlass(b)	MSS	MRMS	MRMS	R	RMR	RMR	S	MSS	MSS	MS	MR	S
Denison(b)	MRMS	MR	MRMS	MS	MR	S	S	MS	S	MRMS (P)	MS	MSS
Devil(b)	MRMS	MRMS	MS	S	RMR	SVS	SVS	SVS	MSS	MRMS	MSS	MSS
Dozer(b) CL Plus	MRMS	MRMS	MSS	MS	MRMS	S	S	MSS (P)	MRMS	MSS (P)	MS	S
DS Bennett(b)	MRMS	MRMS	MR	MS		SVS	RMR	MR	S		S	VS
DS Pascal(b)	MS	MRMS	MRMS	MSS	RMR	MRMS	RMR	MS	S		S	S
EG Jet(b)	MRMS	MSS		S		MSS	MS	MSS	S		MRMS	S
EG Titanium(b)	MSS	MRMS	MS	MS	RMR	MS	MRMS (P)	MSS	MSS		R	MSS
EGA Wedgetail(b)	MSS	MRMS	MRMS	MRMS		MSS	MRMS	MRMS	S		S	S
Firefly(b)	MRMS	MRMS	MSS	S	MS	MSS	MSS	MSS (P)	MS	MSS (P)	MSS (P)	S
Genie(b)	MRMS (P)	MR (P)	S (P)	MRMS	RMR	S	S (P)		MS (P)	R (P)	MSS (P)	MS (P)
Hammer CL Plus(b)	MRMS	MRMS	MRMS	MR	RMR	S	S	MSS	MSS	MS	MRMS	MSS
Illabo(b)	MS	MR	MR	MR	RMR	S	R	MR	MSS	RMR	MRMS	S
Jillaroo(b)	MS	MS	MS	MS		S	S	MRMS (P)	S		MS	S
Kinsei(b)	MS	MRMS	MRMS	MSS	MRMS	MS	S	MS	S	S	MSS	MSS
Lancelin(b)	MRMS	MRMS	S	MRMS	RMR	MSS	S	S (P)	SVS		MRMS	S
Longsword(b)	MRMS	MRMS	MRMS	MR	RMR	MSS	MS	MRMS	MRMS		MRMS	MSS
LRPB Anvil(b) CL Plus	MSS	MSS	MSS	MR	RMR	SVS	S	SVS	MSS	MSS (P)	MS	MSS
LRPB Avenger(b)	MS	MSS	MS	MS	MR	SVS	S	S	MSS	MS (P)	MRMS	S
LRPB Havoc(b)	MRMS	MS	MS	S	MR	S	MSS	MRMS	S	MRMS	S	MSS
LRPB Kittyhawk(b)	MRMS	MR (P)		MRMS		MR	MRMS	MR	S		S	SVS
LRPB Matador(b)	MRMS	MRMS	MSS	MS	MR	MSS	MSS	MSS (P)	S		MS (P)	S
LRPB Nighthawk(b)	MS	MRMS	MRMS	RMR		MS	MSS	MR	MSS	MRMS (P)	MS	MSS
LRPB Nyala(b)	MS	MSS	MR	SVS	RMR	S	RMR	SVS	S		MSS	MSS
LRPB Oryx(b)	MSS	S	MSS	MR		RMR#	RMR	SVS	MSS	MSS (P)	S	MSS
LRPB Trojan(b)	MSS	MS	MS	MRMS		MR	S	S	MSS	MS (P)	MS	MS

Continued on next page

Table 12: Wheat disease guide for Western Australia (continued).

Variety	Yellow spot	Nodorum blotch (leaf)	Nodorum blotch (glume)	Stem rust	Stripe rust (west coast resistance)	Leaf rust	Powdery mildew	*Septoria tritici* blotch	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus quasitereoides*)	CCN	Crown rot
LRPB Vortex(Ф)	MRMS	MRMS	MS	MRMS	RMR	SVS	MS	MSS (P)	S		MSS	MSS
Mace(Ф)	MRMS	MS	MS	MRMS	RMR	S	MSS	S	MS	MRMS	MRMS	S
Magenta(Ф)	MRMS	MRMS	MSS	MR	MSS	RMR	MRMS	MS	MSS	MSS	S	MSS
Mammoth(Ф)	MRMS	MRMS	MR	MR	MRMS	MRMS	S	MRMS	MSS		MSS	S
Mowhawk(Ф)	MRMS (P)			RMR (P)		MR (P)						
Ninja(Ф)	MRMS	MRMS	MS	S	MS	S	S	MSS	S	S	MS	S
Razor CL Plus(Ф)	MSS	MS	MS	MRMS		S	MSS	SVS	S		MR	S
RGT Accroc(Ф)	MRMS			MRMS	RMR	S	RMR (P)	MRMS	MS		S	SVS
RGT Zanzibar	MS	MR		VS	RMR	SVS	R	MR	S		MSS	S
RockStar(Ф)	MRMS	MRMS	MRMS	MRMS	RMR	S	MSS	S	MRMS	MS	MSS	S
Rottnest(Ф)	MRMS (P)			S (P)	MRMS	VS (P)	SVS (P)					
Scepter(Ф)	MRMS	MRMS	MSS	MRMS	RMR	MSS	S	S	S	MS	MRMS	MSS
Severn(Ф)	MRMS	MR	MR	MRMS	RMR	MR	R	MS (P)	S		MSS (P)	S
Sheriff CL Plus(Ф)	MRMS	MRMS	MRMS	MS		SVS	SVS	S	MRMS	MRMS	MS	S
Shotgun(Ф)	MRMS	MRMS (P)	MSS (P)	MRMS	RMR	MSS	MSS (P)		MS (P)		R (P)	MS (P)
Splendid(Ф)	MRMS (P)			MR (P)	RMR (P)	MSS (P)	SVS (P)					
Sting(Ф)	MRMS	MS	MS	MRMS	MR	SVS	MSS	S	MS	MSS	MS	MSS
Stockade(Ф)	MRMS	MR	MR	MS	RMR	MR	S	MS	S		MRMS	S
Thumper(Ф)	MRMS	MRMS (P)	S (P)	MS	RMR	MSS	S (P)		S	MSS (P)	MS (P)	MS (P)
Tomahawk CL Plus(Ф)	MRMS	MRMS	S	MR	RMR	S	S	MSS (P)	S	MS (P)	MRMS	MSS
Triple 2(Ф)	MR (P)	RMR (P)	MR (P)	MR (P)	R (P)	MRMS	RMR (P)		R (P)		MS (P)	MRMS (P)
Valiant(Ф) CL Plus	MRMS	MR	MRMS	MRMS	RMR	S	SVS	MRMS	S	MSS	MSS (P)	MSS
Vixen(Ф)	MRMS	MS	MSS	MRMS	MR	SVS	SVS	MSS	MRMS	MSS	MSS	S
Wallaroo(Ф)	MRMS	MR	MR	RMR	RMR	RMR	MSS	MRMS (P)	MS		R	MSS
Willaura(Ф)	MS	MRMS	MRMS	MR	R	MRMS	SVS	MRMS	MSS		MS	S
Yitpi	SVS	MS	MRMS	S	MRMS	MSS	MS	MS	MSS	MS	MR	S
Zen(Ф)	MRMS	MS	MRMS	S (MRMS)	MR	S	S	S	MRMS	MRMS	S	S

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,
^ line contains a few susceptible off types, ( ) show outlier.

Wheat variety maturity

The wheat-breeding members of Australian Crop Breeders have developed a consistent approach to the description of wheat variety maturity (relative heading date).

Table 13: An industry guide for wheat variety maturity description.

Maturity description	Abbreviation	Quick wheat boundary	Slow wheat boundary
SPRING WHEAT			
Very quick	VQ		Axe[Φ]
Very quick-quick	VQ-Q	> Axe[Φ]	Vixen[Φ]
Quick	Q	> Vixen[Φ]	Corack[Φ]/LRPB Mustang[Φ]
Quick-mid	Q-M	> Corack[Φ]/LRPB Mustang[Φ]	Mace[Φ]/Suntop[Φ]
Mid	M	> Mace[Φ]/Suntop[Φ]	LRPB Reliant[Φ]/Sheriff CL Plus[Φ]/LRPB Trojan[Φ]
Mid-slow	M-S	> LRPB Reliant[Φ]/Sheriff CL Plus[Φ]/LRPB Trojan[Φ]	Yitpi/EGA Gregory[Φ]
Slow	S	> Yitpi/EGA Gregory[Φ]	Sunzell
Slow-very slow	S-VS	> Sunzell	Sunmax[Φ]
Very slow	VS	> Sunmax[Φ]	
WINTER WHEAT			
Quick	Q		Illabo[Φ]
Mid	M	> Illabo[Φ]	RGT Accroc[Φ]
Slow	S	> RGT Accroc[Φ]	

Source: Australian Crop Breeders Ltd

Wheat optimum time of sowing – an example for Albany

To achieve flowering in the ideal window and maximise yield, the optimum time of sowing is based on a combination of variety maturity and environment.

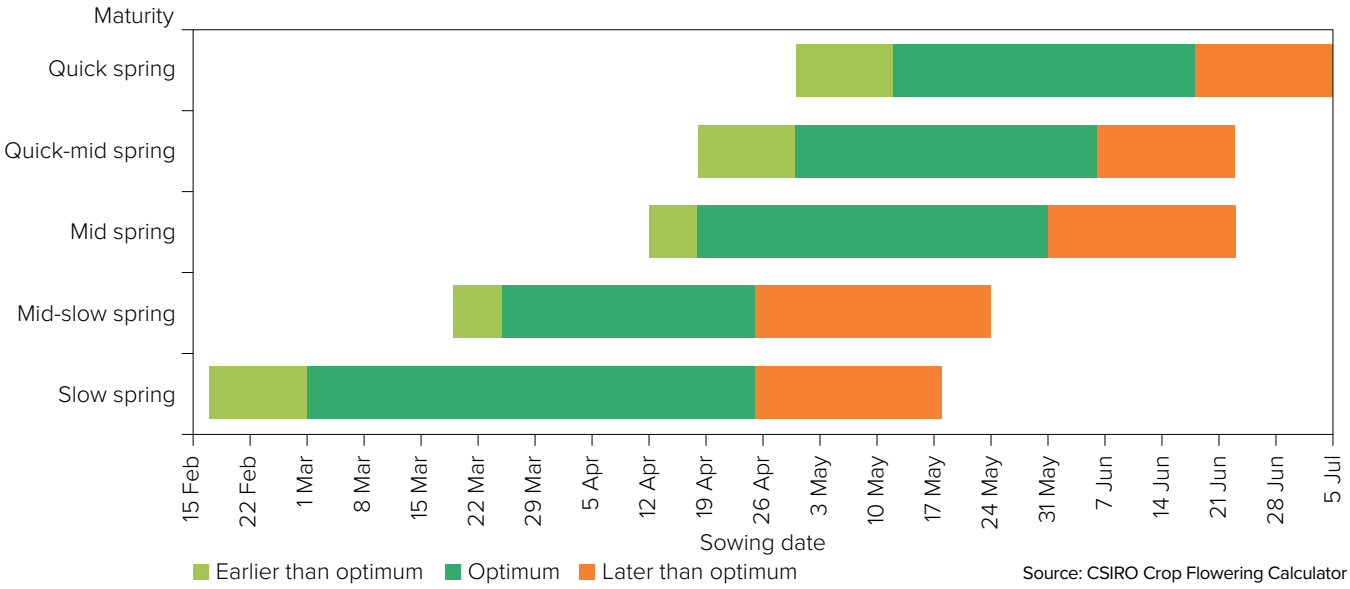
Growers and advisers are encouraged to use the Crop Flowering Calculator to compare the impact of specific variety selection and sowing date for the ideal flowering window at their own location. The Crop Flowering Calculator is a simple phenology (maturity) model that uses 60 years of local weather data to calculate a range of possible flowering dates for a specific environment for wheat, barley and canola.

The Crop Flowering Calculator helps optimise sowing programs by finding the variety or sowing time that best matches the optimal flowering window for a specific location. Select a location and crop type and then either 'Find a Variety' (to match a fixed sowing date), or find 'When to Sow' (to match a fixed variety).

This time of sowing guide (Figure 13) is automatically generated from the database that underpins the Crop Flowering Calculator. The guide presents the optimal sowing windows for generic varieties for a single location.

The Crop Flowering Calculator integrates the scientific outputs from several GRDC projects and Initiatives (CSP00187, CSP1901-002RTX, UOM1806-001RTX and CSP2206-012RTX) and brings together the diverse aspects of crop phenology (genetics, physiology and agronomy). This tool has been supported by CSIRO in partnership with GRDC through CSP2206-012RTX.

Figure 13: Optimum time of sowing by variety maturity for Kojonup as an example for Albany.



Disclaimer: This Crop Flowering Calculator is a work in progress and is still undergoing development. The results provided have not yet been fully validated and should be interpreted with caution and used at your own discretion.

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 to find trial results for any new varieties released since the publication of this harvest report.

Variety	Breeding company	Grain classification	End point royalty* ($)	Comments supplied by breeding company[1]
Bigfoot CL$^{\Phi}$	Australian Grain Technologies Pty Ltd	FEED	4.35	Bigfoot CL$^{\Phi}$ is very similar to popular northern variety Yeti$^{\Phi}$ but tolerant to Clearfield® Intervix® herbicide. It has good grain size and test weight, having a short stature and lower risk of lodging. It is feed quality only. Bigfoot CL$^{\Phi}$ has a quick-mid spring maturity.
Granite$^{\Phi}$ CL	InterGrain Pty Ltd	FEED	3.90	Granite$^{\Phi}$ CL is a new Clearfield® feed barley for low to medium rainfall barley producing areas across Australia. Granite$^{\Phi}$ CL provides a significant yield improvement over Rosalind$^{\Phi}$ with the added benefit of herbicide tolerance. Granite$^{\Phi}$ CL has a quick-mid spring maturity.
PegasusAX$^{\Phi}$	Australian Grain Technologies Pty Ltd	FEED	4.15	PegasusAX$^{\Phi}$ carries CoAXium herbicide tolerance (Aggressor® AX herbicide) and is a derivative of Rosalind$^{\Phi}$, with a similar plant type. It has similar grain size as some other high-yielding feed varieties and is feed quality only. PegasusAX$^{\Phi}$ has a quick-mid spring maturity.
RGT Atlantis$^{\Phi}$	RAGT	Under malt evaluation	4.25	RGT Atlantis$^{\Phi}$ is a new waterlogging-tolerant barley with high yield potential in the medium to high-rainfall zones. It is bred from RGT Planet$^{\Phi}$ and has a similar maturity. It is the same plant structure and height as RGT Planet$^{\Phi}$. RGT Atlantis$^{\Phi}$ has a quick-mid spring maturity.
Spinnaker$^{\Phi}$	Secobra Recherches	Under malt evaluation	4.00	Spinnaker$^{\Phi}$ has (Fathom$^{\Phi}$ x RGT Planet$^{\Phi}$) x European malt breeding line heritage. It is two to three days earlier maturing than RGT Planet$^{\Phi}$ with a May planting and has slightly shorter plant height than RGT Planet$^{\Phi}$.

*EPR amount is ex-GST , $^{\Phi}$denotes Plant Breeder's Rights apply. [1]All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder. Grain classification downloaded from Grains Australia on 14/3/2025.

Refer to the latest *Crop Sowing Guide* for further information at nvt.grdc.com.au/resources/crop-sowing-guides

Barley variety yield performance – Albany

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: Frankland main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**7.05**	**7.65**	**6.58**	**5.39**	**6.56**
Neo(Ф) CL*				107	113
Combat(Ф)		110	112	113	118
Cyclops(Ф)	112	112	103	104	117
Granite(Ф) CL*					116
Titan AX(Ф)*			107	104	110
Leabrook(Ф)	107	109	103	103	111
Laperouse(Ф)	109	106	99	101	111
Bigfoot CL(Ф)*					110
Minotaur(Ф)	103	105	104	105	109
Beast(Ф)	107	103	97	103	113
PegasusAX(Ф)*					104
RGT Planet(Ф)	100	107	108	99	93
Compass(Ф)	103	102	98	99	105
Maximus(Ф) CL*	110	98	91	99	108
Spinnaker(Ф)		105	107	100	94
Sowing date	**19 May**	**2 Jun**	**5 Jun**	**8 May**	**8 May**
Rainfall J–M (mm)	**61**	**95**	**29**	**30**	**9**
Rainfall A–O (mm)	**498**	**581**	**483**	**445**	**427**

Special thanks to 2024 trial cooperator, Richard Coole.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 2: Gnowangerup main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**4.69**	**5.17**	**4.86**	**1.88**	**4.97**
Neo(Ф) CL*				87	118
Combat(Ф)		112	110	82	118
Cyclops(Ф)	107	102	116	111	103
Leabrook(Ф)	102	107	107	116	104
Titan AX(Ф)*			104	93	111
Beast(Ф)	104	101	110	134	96
PegasusAX(Ф)*					99
Granite(Ф) CL*					101
Bigfoot CL(Ф)*					97
Minotaur(Ф)	107	101	108	96	105
Laperouse(Ф)	103	98	112	111	98
Rosalind(Ф)	108	95	103	131	94
Compass(Ф)	97	105	101	127	97
Spinnaker(Ф)		104	93	93	107
Fathom(Ф)	99	102	103	89	103
Sowing date	**26 May**	**27 May**	**12 May**	**16 May**	**5 May**
Rainfall J–M (mm)	**34**	**77**	**55**	**17**	**30**
Rainfall A–O (mm)	**214**	**435**	**384**	**266**	**264**

Special thanks to 2024 trial cooperator.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 3: Hyden main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**2.78**	**3.82**		**3.04**	**5.22**
Beast(Ф)	121	117	Trial results below standard	121	108
Combat(Ф)		109		114	113
Cyclops(Ф)	120	112		111	109
Bigfoot CL(Ф)*				115	105
Leabrook(Ф)	112	114		117	104
Granite(Ф) CL*					110
Maximus(Ф) CL*	119	108		104	110
PegasusAX(Ф)*				107	107
Compass(Ф)	107	113		119	100
Rosalind(Ф)	113	108		103	109
Laperouse(Ф)	113	107		106	106
Fathom(Ф)	111	102		112	104
Titan AX(Ф)*		109		114	100
Neo(Ф) CL*				93	112
Minotaur(Ф)	112	103		101	108
Sowing date	**25 May**	**26 May**	**25 May**	**31 May**	**8 May**
Rainfall J–M (mm)	**81**	**78**	**89**	**14**	**118**
Rainfall A–O (mm)	**118**	**288**	**324**	**178**	**191**

Special thanks to 2024 trial cooperator, Mayfield Grains.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 4: Jerramungup main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**4.00**	**4.22**	**4.69**	**3.82**	**4.85**
Neo(Ф) CL*				106	108
Cyclops(Ф)	105	113	116	111	109
Combat(Ф)		110	118	96	111
Granite(Ф) CL*					107
Beast(Ф)	107	103	105	114	108
Leabrook(Ф)	108	108	105	108	107
Bigfoot CL(Ф)*				113	106
Laperouse(Ф)	101	107	110	109	105
Titan AX(Ф)*		111	106	98	106
PegasusAX(Ф)*				114	104
Minotaur(Ф)	102	104	111	102	105
Maximus(Ф) CL*	98	98	107	118	103
Rosalind(Ф)	103	96	102	114	102
Compass(Ф)	106	101	96	108	103
Fathom(Ф)	102	96	103	92	104
Sowing date	**25 May**	**26 May**	**12 May**	**17 May**	**3 May**
Rainfall J–M (mm)	**81**	**109**	**76**	**36**	**58**
Rainfall A–O (mm)	**237**	**469**	**404**	**277**	**230**

Special thanks to 2024 trial cooperator, Trent Parsons.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 5: Kendenup main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.60		5.78	5.07	4.63
Neo(ↀ) CL*		Trial failed		100	106
Cyclops(ↀ)	110		110	111	105
Granite(ↀ) CL*					106
Combat(ↀ)			110	105	107
Laperouse(ↀ)	106		107	106	104
Maximus(ↀ) CL*	103		111	97	109
Beast(ↀ)	101		101	110	107
Bigfoot CL(ↀ)*					103
Minotaur(ↀ)	104		110	98	105
Leabrook(ↀ)	104		98	114	102
PegasusAX(ↀ)*					106
Titan AX(ↀ)*			96	116	98
Rosalind(ↀ)	102		106	94	108
Spartacus CL(ↀ)*	99		105	93	106
Compass(ↀ)	98		90	113	100
Sowing date	**19 May**	**27 May**	**14 May**	**8 May**	**8 May**
Rainfall J–M (mm)	**63**	**98**	**40**	**40**	**21**
Rainfall A–O (mm)	**363**	**551**	**481**	**545**	**412**

Special thanks to 2024 trial cooperator.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 6: Kojonup main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	6.06	6.09	6.99	5.35	7.67
Neo(ↀ) CL*				100	113
Cyclops(ↀ)	112	105	106	109	108
Combat(ↀ)		103	113	107	109
Granite(ↀ) CL*					108
Minotaur(ↀ)	107	101	106	102	106
Laperouse(ↀ)	108	101	103	105	105
Leabrook(ↀ)	102	106	102	110	103
Titan AX(ↀ)*			103	107	102
PegasusAX(ↀ)*					103
Beast(ↀ)	100	100	101	112	103
Bigfoot CL(ↀ)*					102
Maximus(ↀ) CL*	107	95	100	104	105
Rosalind(ↀ)	103	99	101	102	104
RGT Planet(ↀ)	104	107	102	93	100
Spinnaker(ↀ)		106	102	95	100
Sowing date	**19 May**	**28 May**	**15 May**	**31 May**	**10 May**
Rainfall J–M (mm)	**35**	**98**	**35**	**8**	**4**
Rainfall A–O (mm)	**321**	**605**	**452**	**372**	**338**

Special thanks to 2024 trial cooperator, DT Stone & Co.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 7: Lake Grace main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.21	4.79	4.29	3.58	4.14
Cyclops(ↀ)	112	109	121	113	106
Beast(ↀ)	118	108	115	113	106
Combat(ↀ)		105	114	114	115
Granite(ↀ) CL*					105
Leabrook(ↀ)	113	106	115	112	105
Bigfoot CL(ↀ)*				110	102
Titan AX(ↀ)*		103	115	112	105
Laperouse(ↀ)	108	106	114	108	102
Neo(ↀ) CL*				102	109
Compass(ↀ)	115	103	109	109	101
Maximus(ↀ) CL*	110	107	107	103	100
Minotaur(ↀ)	100	104	106	104	106
PegasusAX(ↀ)*				100	103
Fathom(ↀ)	100	97	103	109	107
Commodus(ↀ) CL*	108	100	104	105	100
Sowing date	**20 May**	**25 May**	**12 May**	**9 May**	**3 May**
Rainfall J–M (mm)	**52**	**69**	**42**	**25**	**46**
Rainfall A–O (mm)	**183**	**388**	**303**	**208**	**186**

Special thanks to 2024 trial cooperator, Grant Marshall.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 8: Stirlings South main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	4.33		4.67	4.16	3.51
Neo(ↀ) CL*		Trial failed		106	109
Combat(ↀ)			125	112	117
Cyclops(ↀ)	115		129	104	116
Granite(ↀ) CL*					111
Titan AX(ↀ)*			107	111	116
Leabrook(ↀ)	112		106	110	114
Laperouse(ↀ)	109		120	99	109
Beast(ↀ)	110		105	108	112
Bigfoot CL(ↀ)*					111
Minotaur(ↀ)	105		119	101	105
Maximus(ↀ) CL*	103		116	94	100
Compass(ↀ)	106		89	109	109
PegasusAX(ↀ)*					102
Fathom(ↀ)	100		102	103	106
Buff(ↀ)	97		101	101	101
Sowing date	**25 May**	**26 May**	**13 May**	**17 May**	**5 May**
Rainfall J–M (mm)	**84**	**112**	**65**	**38**	**26**
Rainfall A–O (mm)	**295**	**609**	**496**	**407**	**259**

Special thanks to 2024 trial cooperator.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Barley variety quality – Albany

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 2023 and 2024 NVT averaged for trials in the Albany 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 main season barley varieties from eight NVT sites in Albany in 2023.

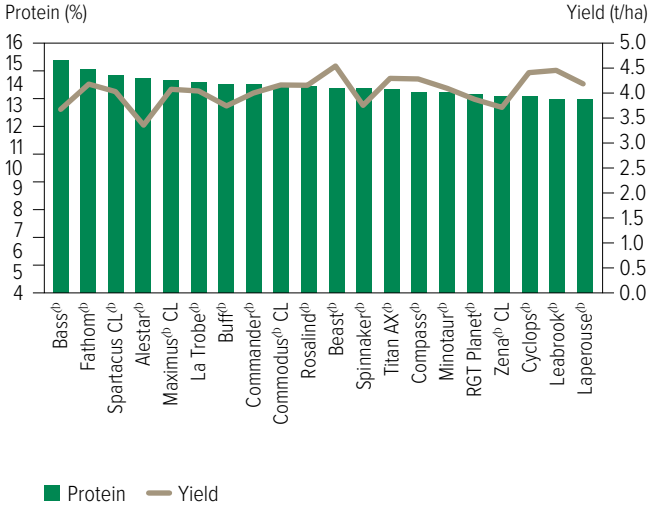
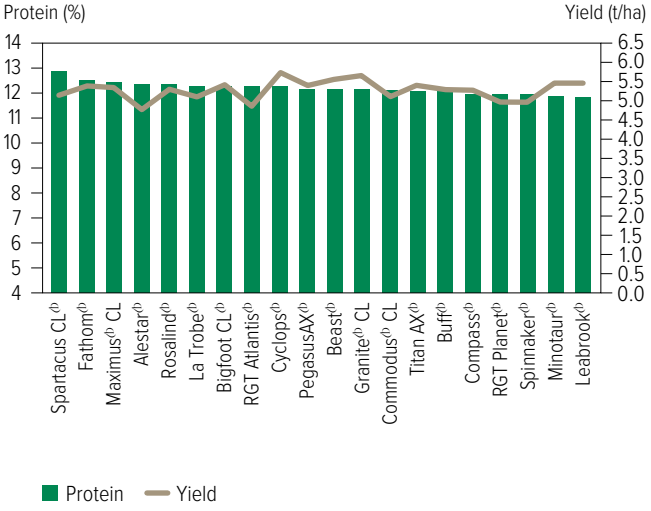


Figure 2: Protein (%) and yield (t/ha) comparisons for main season barley varieties from eight NVT sites in Albany in 2024.



Test weight comparisons

Figure 3: Test weight (kg/hL) comparisons for main season barley varieties from eight NVT sites in Albany in 2023.

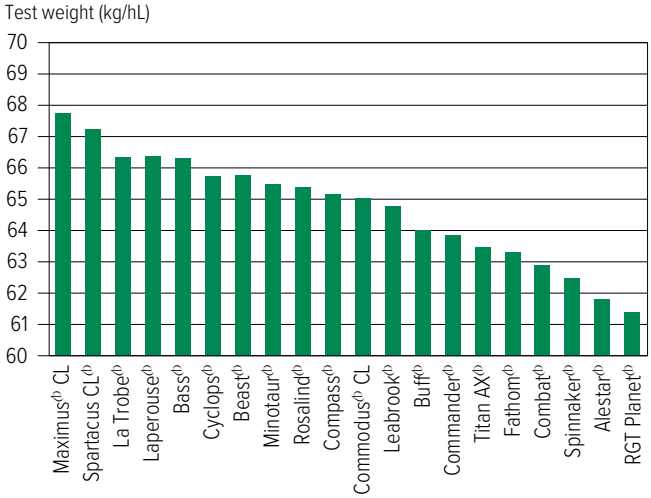
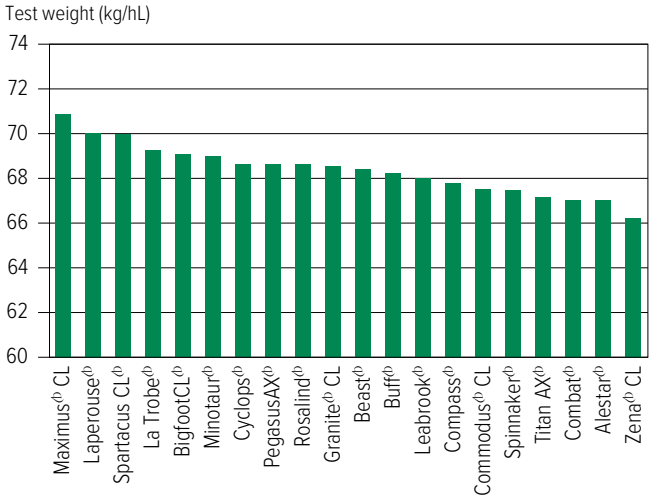


Figure 4: Test weight (kg/hL) comparisons for main season barley varieties from eight NVT sites in Albany in 2024.



Screenings comparisons

Figure 5: Screenings (<2.5mm) comparisons for main season barley varieties from eight NVT sites in Albany in 2023.

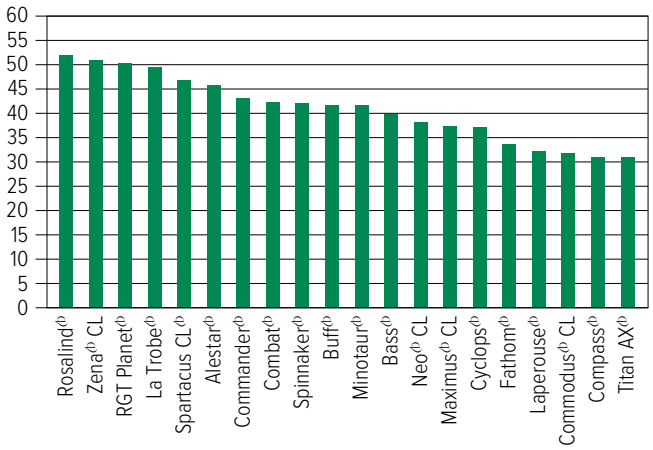
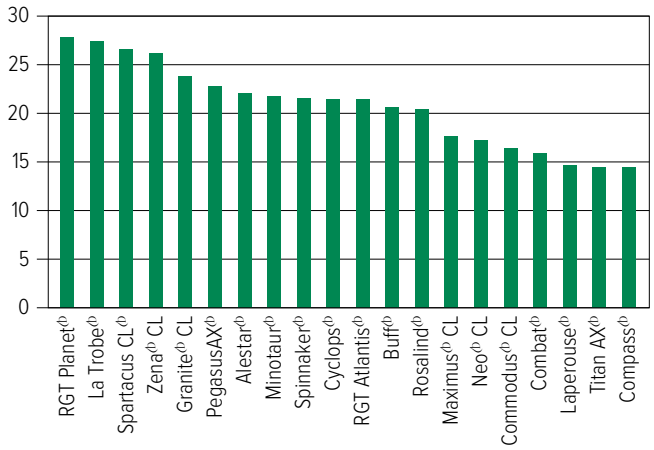


Figure 6: Screenings (<2.5mm) comparisons for main season barley varieties from eight NVT sites in Albany in 2024.



Retention comparisons

Figure 7: Retention (>2.5mm) comparisons for main season barley varieties from eight NVT sites in Albany in 2023.

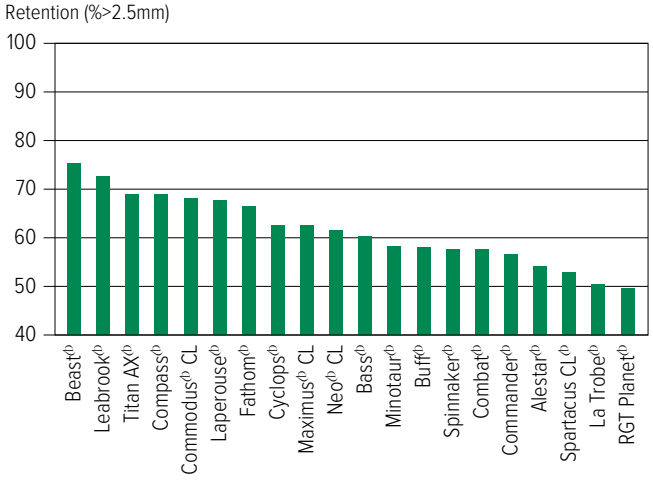
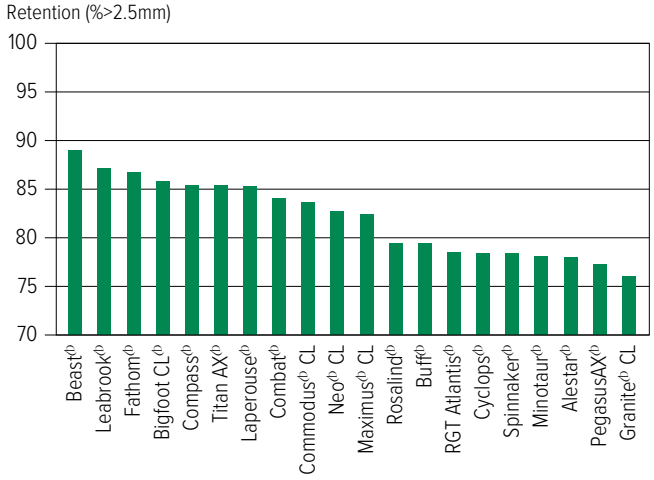


Figure 8: Retention (>2.5mm) comparisons for main season barley varieties from eight NVT sites in Albany in 2024.



Barley variety disease ratings – Western Australia

The following tables contain varietal ratings for the predominant diseases of barley in Western Australia. These ratings are updated annually by crop pathologists and were released in March 2025.

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

Table 9: Barley disease guide for Western Australia.

Variety	Scald	Net form net blotch	Spot form net blotch	Powdery mildew	Leaf rust	Crown rot	Black point	Barley yellow dwarf virus	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus quasitereoides*)	CCN	Ramularia
Alestar(ф)	S	MRMS-S	S	RMR	MRMS	S	MRMS	MRMS	MR		R^ (P)	SVS
Beast(ф)	S	MRMS-S	S	RMR	S	S	MSS	MS	MRMS	MSS	MR	SVS
Bigfoot CL(ф)	S (P)	MRMS	MS	RMR	S	MSS (P)	S (P)	MS	MR	MSS (P)	R	SVS
Bottler(ф)	S	MRMS-MSS	MSS	RMR	MRMS	SVS	MRMS	MRMS-MS	MS			SVS
Buff(ф)	MSS	MRMS-MSS	S	MSS	SVS	S	MS	MRMS	MRMS	S		SVS
Combat(ф)	S	MRMS-S	MRMS	R	MS	MSS	MSS	MRMS	MRMS	S (P)	MR	SVS
Commander(ф)	MS	MRMS-S	MSS	RMR	S	S	MSS	MRMS	MRMS		R	SVS
Commodus(ф) CL	MSS	MRMS-S	MSS	RMR	SVS	S	MS	MRMS	MRMS	MS	R	SVS
Compass(ф)	MSS	MRMS-S	MS	R	SVS	MSS	MSS	MS	MRMS	S	R	SVS
Cyclops(ф)	MRMS	MR-MS	S	R	S	MSS	MSS	MSS	MRMS	MSS	S	SVS
Fandaga(ф)	S	R-MRMS	MS	RMR	MRMS	MS	MRMS	MS	MR	MS (P)	R	SVS
Fathom(ф)	MR	MS-S	MR	MR	MRMS	SVS	MSS	MS	MRMS	MSS	R	SVS
Flinders(ф)	MSS	MR-S	MSS	RMR	MRMS	MSS	MRMS	MRMS	MRMS	MSS (P)	S	SVS
Granite(ф) CL	MS (P)	R-MRMS (P)	MS (P)	R (P)	S (P)	SVS (P)		MR (P)				SVS (P)
Kiwi	S	MRMS-MS	MSS	RMR	MS	MSS	MS	MRMS	MRMS		S	SVS
La Trobe(ф)	MR	MRMS-S	MSS	MS	MS	S	MSS	MS	MRMS	S	R	SVS
Laperouse(ф)	S	MRMS-S	MS	RMR	S	S	MSS	MRMS	MRMS	MS	S	SVS
Leabrook(ф)	S	MRMS-S	MS	RMR	S	S	MS	MS	MRMS	MS	RMR	SVS
Litmus(ф)	S	MRMS-S	S	R	S	S	MS	MSS	MS	MSS (P)	MS	SVS
Maximus(ф) CL	MR	MRMS-S	MSS	RMR/S	S	S	MSS	MRMS	MRMS	S	R	SVS
Minotaur(ф)	VS	MRMS-MS	S	S	S	MSS	MRMS	MS	MRMS	MS	R	SVS
Neo(ф) CL	MRMS	MRMS-MSS	MRMS	R (P)	MS	VS (P)	MRMS (P)	MRMS	MR	S (P)	R	SVS
Newton	MR	MRMS	MS	R	MR	MSS (P)	MRMS (P)	MS	MRMS		MSS	S
PegasusAX(ф)	MS	MRMS	MSS	MS	MR	MSS (P)	MSS (P)	MS	MR	MSS (P)	R	SVS
RGT Atlantis(ф)	MR	MS	MSS	R	MRMS	SVS (P)	MRMS (P)	MRMS	MR	S (P)	R	SVS
RGT Planet(ф)	MR	MRMS-SVS	S	R	MRMS	MSS	MRMS	MRMS	MRMS	MS	R	SVS
Rosalind(ф)	MSS	MR-S	S	MSS	MR	S	MS	MRMS	MRMS	MSS	R	SVS
Scope CL(ф)	MS	MRMS-MSS	MSS	RMR	MS	S	MS	MRMS	MRMS	MRMS	S	SVS
Spartacus CL(ф)	MR	MRMS-S	SVS	MS	MS	S	MSS	MSS	MRMS	MSS	R	SVS
Spinnaker(ф)	MRMS	MRMS-S	S	R	MS	MSS	MRMS	MRMS	MR	MS (P)	S	SVS
Titan AX(ф)	S	MRMS-S	MS	RMR	S	MSS	MSS	MS	MR	MS (P)	MR (P)	SVS
Urambie	MR	MRMS	MS	MRMS-MSS	MSS	MSS	MRMS	MRMS	MRMS			SVS
Westminster(ф)	MRMS	MRMS-MSS	MSS	RMR	MRMS	MSS	MRMS	MRMS	MRMS			SVS
Yeti(ф)	S	MR-S	MSS	MR	S	S	MSS	MS	MR		RMR	SVS
Zena(ф) CL	MR	MRMS-S	S	R	MRMS	S	MRMS (P)	MRMS	MRMS	MS (P)	R	SVS

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,
^ line contains a few susceptible off types, ( ) show outlier.

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 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[1]
Goldie(Φ)	InterGrain Pty Ltd	3.50	Goldie(Φ) is a new high-yielding milling oat and is suited to all oat growing regions of southern NSW, Victoria, SA and WA. Goldie(Φ) is a mid-spring maturing oat and is well suited for the second week of April to mid-May sowing window. Goldie(Φ) has a medium-tall plant height and has excellent panicle emergence. It has good test weight and low screenings. Along with excellent grain yield and quality attributes, early hay yield and quality data looks promising for export hay. Goldie(Φ) has a mid-spring maturity.
Minnie(Φ)	InterGrain Pty Ltd	3.50	Minnie(Φ) provides excellent yield potential for medium to high rainfall oat growing regions of southern NSW, Victoria, SA and WA. Its short-medium plant height allows improved lodging and harvestability in higher yielding situations. Minnie(Φ) has a mid-slow spring maturity.

*EPR amount is ex-GST, (Φ)denotes Plant Breeder's Rights apply. [1]All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder.

Refer to the latest *Crop Sowing Guide* for further information at nvt.grdc.com.au/resources/crop-sowing-guides

Oat variety yield performance – Albany

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: Kojonup oat.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					**5.13**
Goldie(Ф)	No trial	No trial	No trial	No trial	113
Minnie(Ф)					113
Wandering					109
Bilby(Ф)					109
Bannister(Ф)					104
Koala(Ф)					100
Williams(Ф)					99
Archer(Ф)*					99
Wallaby(Ф)					98
Kojonup(Ф)					96
Sowing date					**10 May**
Rainfall J–M (mm)					**4**
Rainfall A–O (mm)					**338**

Special thanks to 2024 trial cooperator, DT Stone & Co.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 2: Nyabing oat.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					**3.80**
Archer(Ф)*	No trial	No trial	No trial	No trial	115
Koala(Ф)					113
Bannister(Ф)					109
Wallaby(Ф)					109
Kojonup(Ф)					108
Williams(Ф)					108
Goldie(Ф)					108
Wandering					105
Minnie(Ф)					102
Bilby(Ф)					101
Sowing date					**3 May**
Rainfall J–M (mm)					**31**
Rainfall A–O (mm)					**235**

Special thanks to 2024 trial cooperator.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 3: Pingrup oat.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**1.34**	**2.89**	**3.43**	**2.87**	
Goldie(Ф)		110	114	103	No trial
Minnie(Ф)			123	105	
Wandering	110	107	109	103	
Bilby(Ф)	99	96	111	115	
Archer(Ф)*				100	
Bannister(Ф)	111	114	104	92	
Koala(Ф)	112	121	101	82	
Williams(Ф)	115	110	96	96	
Kojonup(Ф)	92	106	102	93	
Wallaby(Ф)				85	
Sowing date	**25 May**	**1 Jun**	**30 Apr**	**8 May**	
Rainfall J–M (mm)	**49**	**48**	**57**	**33**	
Rainfall A–O (mm)	**180**	**386**	**320**	**206**	

No 2024 trial cooperator.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 4: Rylington Park oat.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		**3.68**	**4.67**	**3.36**	
Archer(Ф)*	Compromised trial			124	No trial
Kultarr(Ф)				112	
Kingbale(Ф)*				104	
Williams(Ф)		108	104	111	
Koala(Ф)		107	100	110	
Bannister(Ф)		104	100	108	
Kojonup(Ф)		103	105	100	
Wandering		100	99	107	
Goldie(Ф)		99	99	108	
Carrolup		104	102	95	
Sowing date	**25 May**	**2 Jun**	**7 Jun**	**31 May**	
Rainfall J–M (mm)	**47**	**93**	**20**	**26**	
Rainfall A–O (mm)	**527**	**634**	**541**	**406**	

No 2024 trial cooperator.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 5: Wagin oat.					
Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.18	4.20	3.69	2.10	3.75
Goldie[Φ]		113	122	105	109
Minnie[Φ]			135	106	104
Koala[Φ]	109	120	126	82	101
Bannister[Φ]	108	115	119	92	104
Wandering	107	109	113	104	107
Wallaby[Φ]				85	93
Archer[Φ]*				103	109
Bilby[Φ]	100	100	101	117	107
Williams[Φ]	102	112	98	97	103
Kojonup[Φ]	98	106	114	93	98
Sowing date	**25 May**	**3 Jun**	**12 May**	**31 May**	**2 May**
Rainfall J–M (mm)	**66**	**63**	**26**	**26**	**18**
Rainfall A–O (mm)	**177**	**411**	**308**	**220**	**241**

Special thanks to 2024 trial cooperator, Paul Ward.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Oat variety disease ratings – Western Australia

The following tables contain varietal ratings for the predominant diseases of oat in Western Australia. These ratings are updated annually by crop pathologists and were released in March 2025.

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

Table 6: Oat disease guide for Western Australia.							
Variety	Septoria blotch	Leaf rust (crown rust)	Stem rust	Barley yellow dwarf virus (BYDV)	Bacterial blight	RLN resistance (*Pratylenchus neglectus*)	CCN
Archer[Φ]	MSS	MR	MSS	MSS	MSS	MS (P)	VS
Bannister[Φ]	MSS	RMR	MS	MSS	S	MS	MRMS
Bilby[Φ]	S	MR	SVS	S	SVS	MS (P)	VS
Brusher	MSS	MR	S	S	SVS	MS (P)	MR
Carrolup	S	VS	MSS	SVS	MSS	MR	VS
Durack[Φ]	S	MSS	S	S	S	MRMS	MRMS
Echidna	SVS	SVS	S	MSS	S	MS (P)	MRMS
Goldie[Φ]	MSS	RMR	MSS	MS	MSS	MS (P)	MR
Kingbale[Φ]	MS	SVS	MSS	MS	MSS	MRMS	R
Koala[Φ]	MSS	MR	MRMS	MSS	S	MRMS	R
Kojonup[Φ]	S	SVS	MSS	MSS	SVS	MS (P)	VS
Kowari[Φ]	S	MR	S	S	S	MS (P)	S
Kultarr[Φ]	MS	MR	SVS	MSS	MSS	MS (P)	MRMS
Minnie[Φ]	S	RMR	MSS	S	S	MS (P)	RMR
Mitika[Φ]	SVS	MSS	S	SVS	S	MS (P)	VS
Mulgara[Φ]	S/MS	MR	MR	MSS	MSS	MS (P)	R
Tungoo[Φ]	MRMS#	MR	MRMS	MSS	MSS	MS (P)	MR
Wallaby[Φ]	MSS	MR	MRMS	MSS	MSS	MS	MR
Wandering	S	VS	SVS	S	S	MS (P)	VS
Williams[Φ]	MSS	MR	MSS	MSS	MSS	MRMS	VS
Wintaroo	MS#	S	MS	MS	MSS	MS (P)	R
Yallara[Φ]	MSS	RMR	S	MSS	S	MR	R

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, ^ line contains a few susceptible off types, ( ) show outlier.

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 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[1]
DG Buller G	Nutrien Ag Solutions Ltd	N/A	DG Buller G will be available to growers in 2025. It is a 5 series, Optimum GLY® hybrid. DG Buller G is medium height with good standability. It has good oil content.
InVigor® LR 3540P	BASF Australia Ltd	N/A	InVigor® LR 3540P is an early maturing hybrid with PodGuard®. InVigor® LR 3540P contains dual herbicide tolerance to Liberty® and Truflex®. InVigor® LR 3540P combines the flexibility of PodGuard® and dual herbicide tolerance with early maturity. InVigor® LR 3540P is suited to lower-rainfall and shorter-season areas.
InVigor® LR 5040P	BASF Australia Ltd	N/A	InVigor® LR5040P is a mid-season hybrid with PodGuard®. InVigor® LR5040P contains dual herbicide tolerance to Liberty® and Truflex®. InVigor® LR5040P combines the flexibility of PodGuard® and dual herbicide tolerance with high yield and oil results. InVigor® LR5040P is suited to mid-season growing regions.
Monola® H524TT	Nuseed Pty Ltd	N/A	Monola® H524TT is an early-mid maturing Monola® 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 good harvestability. Limited commercial release in 2024.
Nuseed® Griffon TTI	Nuseed Pty Ltd	N/A	Nuseed® Griffon TTI is Nuseed's first dual-herbicide hybrid canola, with triazine and IMI tolerance for flexible, effective crop protection. It is an early-mid maturing variety ideal for target yield environments of 0.5 to 3t/ha, which ensures fast pod development to safeguard yield. Commercial release in 2025. Rapid pod development for higher yields and a shorter growing season.
Pioneer® PY323G	Pioneer	N/A	Pioneer® PY323G (coded AA1421G) is an early maturing Optimum GLY® hybrid variety. Suited to early and early-mid season growing regions, it is medium in height. First tested in NVT 2023. Marketed by Pioneer Seeds.
Pioneer® PY327C	Pioneer	N/A	Pioneer® PY327C (coded AA0424I) is an early maturing Clearfield® hybrid suited to medium to high rainfall zones. It has mid-fast phenology and a medium-tall plant height. First tested in NVT 2023. Marketed by Pioneer Seeds.
Pioneer® PY422G	Pioneer	N/A	Pioneer® PY422G (coded AA1418G) is an early-mid maturing Optimum GLY® hybrid suited to early-mid and mid-season growing regions with medium height. First tested in NVT 2023. Marketed by Pioneer Seeds.
Pioneer® PY424GC	Pioneer	N/A	Pioneer® PY424GC (coded WW1958W) is an early-mid maturing combination Optimum GLY® and Clearfield® hybrid suited to early and early-mid season growing regions. It has medium height. First tested in NVT 2023. Marketed by Pioneer Seeds.
Pioneer® PY428R	Pioneer	N/A	Pioneer® PY428R (coded D257-18) is an early-mid maturing Roundup Ready® hybrid suited to early and early-mid season growing regions and is medium in height. First tested in NVT 2023. Marketed by Pioneer Seeds.

Continued on next page

Refer to the latest *Crop Sowing Guide* for further information at nvt.grdc.com.au/resources/crop-sowing-guides

Variety	Breeding company	End point royalty* ($)	Comments supplied by breeding company[1]
Pioneer® PY429T	Pioneer	N/A	Pioneer® PY429T (coded AA902T) is a widely adapted early-mid maturing triazine-tolerant hybrid. Best suited to medium to medium-high rainfall zones. Medium plant height. First tested in NVT 2023. Marketed by Pioneer Seeds.
Pioneer® PY432T	Pioneer	N/A	Variety description not supplied.
Pioneer® PY525G	Pioneer	N/A	Pioneer® PY525G (coded AA1409G) is a mid-maturing Optimum GLY® hybrid variety suited to mid-season growing regions with medium-tall height. First tested in NVT 2023. Marketed by Pioneer Seeds.

*EPR amount is ex-GST, ⓟdenotes Plant Breeder's Rights apply. [1]All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder.

Canola variety yield performance – Albany

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: Gnowangerup med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		3.67	2.33	1.80	2.04
Pioneer® PY428R	Trial failed			111	108
InVigor® LR 4540P			107	109	117
Nuseed® Hunter TF			109	110	114
InVigor® LR 5040P			103	107	113
InVigor® R 4520P		112	104	106	111
Pioneer® 44Y27 RR		101	105	107	109
Hyola® Regiment XC		108	107	98	101
Nuseed® Eagle TF			105	110	98
Nuseed® Raptor TF		102	105	105	103
Pioneer® PY424GC				104	108
Sowing date	**7 May**	**30 Apr**	**20 Apr**	**31 May**	**5 May**
Rainfall J–M (mm)	**74**	**74**	**55**	**17**	**30**
Rainfall A–O (mm)	**202**	**429**	**384**	**266**	**264**

Special thanks to 2024 trial cooperator.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC, Pioneer® PY424GC.
Learn more via the NVT Long Term Yield Reporter

Table 2: Katanning med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		3.46	2.95	1.78	2.59
Pioneer® PY428R	Trial failed				109
InVigor® LR 4540P			112	111	111
InVigor® LR 5040P			112	99	114
Nuseed® Hunter TF		106	110	115	106
InVigor® R 4520P		108	111	102	110
Nuseed® Eagle TF			100	108	98
Hyola® Regiment XC		105		109	93
Pioneer® 44Y27 RR		97	103	114	102
Nuseed® Raptor TF		102	101	111	97
DG Buller G					101
Sowing date	**5 May**	**24 Apr**	**19 Apr**	**28 Apr**	**2 May**
Rainfall J–M (mm)	**64**	**68**	**26**	**16**	**14**
Rainfall A–O (mm)	**157**	**454**	**381**	**262**	**251**

Special thanks to 2024 trial cooperator, Kunmallup Pastoral Co.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC, Pioneer® PY424GC.
Learn more via the NVT Long Term Yield Reporter

Table 3: Kendenup med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.12	3.30	3.53	2.66	
Pioneer® PY428R				110	Compromised trial
Pioneer® 45Y28 RR	104	111	111	113	
Nuseed® Eagle TF		110	110	113	
Pioneer® PY525G				107	
Nuseed® Hunter TF			103	105	
Pioneer® 44Y30 RR	105	103	104	104	
InVigor® R 4520P	107	102	105	101	
DG Drummond TF		104	105	105	
InVigor® LR 5040P			106	98	
Nuseed® Raptor TF	101	104	102	107	
Sowing date	**6 May**	**20 Apr**	**21 Apr**	**4 May**	**8 May**
Rainfall J–M (mm)	**63**	**81**	**44**	**38**	**16**
Rainfall A–O (mm)	**363**	**633**	**528**	**519**	**342**

Special thanks to 2024 trial cooperator.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC, Pioneer® PY424GC.
Learn more via the NVT Long Term Yield Reporter

Table 4: Kojonup med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.79	4.08	2.85	2.69	3.39
Pioneer® PY428R				104	108
Nuseed® Hunter TF		106	104	107	109
InVigor® LR 4540P			102	105	110
Hyola® Regiment XC		111	105	103	105
Nuseed® Eagle TF		113	108	104	101
InVigor® R 4520P	109	102	104	102	107
InVigor® LR 5040P			103	101	107
Nuseed® Raptor TF	102	107	103	104	103
DG Buller G					101
Pioneer® 44Y27 RR	104	99	98	105	104
Sowing date	**6 May**	**23 Apr**	**28 Apr**	**13 May**	**5 May**
Rainfall J–M (mm)	**35**	**82**	**37**	**7**	**4**
Rainfall A–O (mm)	**321**	**549**	**459**	**353**	**338**

Special thanks to 2024 trial cooperator, DT Stone & Co.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC, Pioneer® PY424GC.
Learn more via the NVT Long Term Yield Reporter

Table 5: Stirlings South med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.67		3.13		2.71
InVigor® LR 4540P		Compromised trial	118	Trial failed	110
Nuseed® Hunter TF			118		109
InVigor® LR 5040P			106		107
InVigor® R 4520P	111		106		106
Nuseed® Raptor TF	96		108		102
DG Buller G					101
Nuseed® Eagle TF			101		101
Hyola® Regiment XC			102		102
DG Hotham TF			103		99
Pioneer® PY422G					96
Sowing date	**6 May**	**22 Apr**	**28 Apr**	**20 Apr**	**5 May**
Rainfall J–M (mm)	**84**	**109**	**65**	**38**	**26**
Rainfall A–O (mm)	**295**	**607**	**496**	**407**	**259**

Special thanks to 2024 trial cooperator.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC.
Learn more via the NVT Long Term Yield Reporter

Table 6: Wagin med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		3.24	1.76	1.76	2.11
Nuseed® Hunter TF	Trial failed	110	123	114	118
InVigor® LR 4540P			125	109	121
Pioneer® 44Y27 RR		108	115	118	111
Pioneer® PY323G				117	107
Pioneer® PY424GC				108	108
Nuseed® Raptor TF		106	107	112	104
InVigor® R 4520P		103	114	98	113
InVigor® LR 5040P			114	94	114
Pioneer® PY428R					110
Hyola® Regiment XC		98		105	107
Sowing date	**6 May**	**20 Apr**	**12 May**	**7 May**	**2 May**
Rainfall J–M (mm)	**66**	**68**	**26**	**26**	**18**
Rainfall A–O (mm)	**177**	**408**	**308**	**220**	**241**

Special thanks to 2024 trial cooperator, Paul Ward.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC, Pioneer® PY424GC.
Learn more via the NVT Long Term Yield Reporter

Table 7: Hyden low-med rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.55	2.97		1.19	2.59
Nuseed® Emu TF	118		Compromised trial	111	108
Nuseed® Hunter TF				109	109
Pioneer® 44Y27 RR	109	104		107	107
InVigor® LR 4540P				107	107
Pioneer® PY424GC				106	106
Pioneer® PY323G				106	103
Pioneer® PY428R					102
InVigor® LR 3540P				103	103
InVigor® R 4520P	100	102		101	102
Hyola® Regiment XC		102		101	100
Sowing date	**25 May**	**22 Apr**	**17 Apr**	**31 May**	**9 May**
Rainfall J–M (mm)	**81**	**78**	**92**	**14**	**114**
Rainfall A–O (mm)	**118**	**288**	**331**	**178**	**183**

Special thanks to 2024 trial cooperator, Mayfield Grains.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC, Pioneer® PY424GC.
Learn more via the NVT Long Term Yield Reporter

Table 8: Jerramungup low-med rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.41	3.27	2.55	2.77	2.49
Nuseed® Hunter TF			111	108	113
InVigor® LR 4540P			112	107	111
Pioneer® 44Y27 RR	109	100	107	103	109
Pioneer® PY424GC				102	107
Pioneer® PY428R					103
Nuseed® Emu TF	124		102	102	109
InVigor® R 4520P	96	106	103	101	102
Pioneer® PY323G				101	103
Hyola® Regiment XC		104		101	100
InVigor® LR 3540P			104	98	103
Sowing date	**5 May**	**28 Apr**	**17 Apr**	**13 Apr**	**3 May**
Rainfall J–M (mm)	**81**	**109**	**76**	**36**	**58**
Rainfall A–O (mm)	**237**	**469**	**404**	**277**	**230**

Special thanks to 2024 trial cooperator, Trent Parsons.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC, Pioneer® PY424GC.
Learn more via the NVT Long Term Yield Reporter

Table 9: Nyabing low-med rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		3.03	2.55	2.81	
Nuseed® Hunter TF	Trial failed	109	110	110	No trial
InVigor® LR 4540P			110	108	
Pioneer® 44Y30 RR		106	107	105	
InVigor® LR 5040P				102	
Nuseed® Raptor TF		105	107	102	
InVigor® R 4520P		108	103	102	
Pioneer® 44Y27 RR		102	103	102	
Hyola® Regiment XC		101		104	
Hyola® Garrison XC			101	104	
Pioneer® PY424GC				101	
Sowing date	**5 May**	**20 Apr**	**18 Apr**	**12 Apr**	
Rainfall J–M (mm)	**47**	**69**	**45**	**20**	
Rainfall A–O (mm)	**179**	**409**	**303**	**240**	

No 2024 trial cooperator.
Learn more via the NVT Long Term Yield Reporter

Table 10: Kendenup med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.27	3.37	4.14	2.78	3.10
Pioneer® PY421C			119	120	114
Pioneer® 45Y95 CL		121	120	124	106
Pioneer® 44Y94 CL	111	116	116	118	109
Pioneer® 45Y93 CL	107	116	118	116	
Pioneer® PY327C				107	110
Hyola® Continuum CL			108	109	101
Hyola® Solstice CL		106	102	109	104
Pioneer® 43Y92 CL				105	103
Hyola® Equinox CL	99	96			
Pioneer® PY520TC				98	
Sowing date	**6 May**	**20 Apr**	**21 Apr**	**4 May**	**8 May**
Rainfall J–M (mm)	**63**	**81**	**44**	**38**	**16**
Rainfall A–O (mm)	**363**	**633**	**528**	**519**	**342**

Special thanks to 2024 trial cooperator.
Learn more via the NVT Long Term Yield Reporter

Table 11: Kojonup med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.62	3.91	3.23	2.26	
Pioneer® PY421C			115	113	No trial
Pioneer® 45Y95 CL		125	116	112	
Pioneer® 44Y94 CL	111	118	112	112	
Pioneer® 45Y93 CL	102	116	112	104	
Hyola® Solstice CL		115	106	106	
Pioneer® PY327C				109	
Hyola® Continuum CL			104	106	
Pioneer® 43Y92 CL				105	
Hyola® Equinox CL	103	103			
Pioneer® PY520TC				94	
Sowing date	**6 May**	**23 Apr**	**28 Apr**	**13 May**	
Rainfall J–M (mm)	**35**	**82**	**37**	**7**	
Rainfall A–O (mm)	**321**	**549**	**459**	**353**	

No 2024 trial cooperator.
Learn more via the NVT Long Term Yield Reporter

Table 12: Gnowangerup med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		3.20	2.52		1.71
HyTTec® Trifecta	Trial failed	117	111	Compromised trial	107
Pioneer® PY429T					114
HyTTec® Trophy		113	109		112
Hyola® Blazer TT		113	109		107
Pioneer® PY520TC			108		106
SF Dynatron TT®		108	106		110
InVigor® T 4511		108	105		108
Nuseed® Griffon TTI					111
Hyola® Defender CT			104		103
RGT Capacity TT		106	101		102
Sowing date	**7 May**	**30 Apr**	**20 Apr**	**31 May**	**5 May**
Rainfall J–M (mm)	**74**	**74**	**55**	**17**	**30**
Rainfall A–O (mm)	**202**	**429**	**384**	**266**	**264**

Special thanks to 2024 trial cooperator.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 13: Katanning med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		3.29	2.71	1.54	2.09
HyTTec® Trifecta	Trial failed		109	117	104
Hyola® Blazer TT		118	106	115	109
HyTTec® Trophy		112	108	119	106
Pioneer® PY520TC				114	107
SF Dynatron TT®		110	105	113	110
Hyola® Defender CT			101	107	111
InVigor® T 4511		106	106	110	103
RGT Baseline® TT		115	101	97	104
Nuseed® Griffon TTI				110	107
RGT Capacity TT		107	104	97	105
Sowing date	**5 May**	**24 Apr**	**19 Apr**	**28 Apr**	**2 May**
Rainfall J–M (mm)	**64**	**68**	**26**	**16**	**14**
Rainfall A–O (mm)	**157**	**454**	**381**	**262**	**251**

Special thanks to 2024 trial cooperator, Kunmallup Pastoral Co.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 14: Kendenup med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.99	3.15	3.93		
Hyola® Blazer TT	109	117	117	Trial failed	Compromised trial
HyTTec® Trifecta	109	118	116		
Pioneer® PY520TC		115	114		
Hyola® Defender CT			114		
RGT Baseline® TT		114	115		
HyTTec® Trophy	107	110	109		
SF Dynatron TT®	107	109	109		
InVigor® T 6010	102	106	108		
DG Bidgee TT$^{\Phi}$		108	107		
RGT Capacity TT	104	104	105		
Sowing date	**6 May**	**20 Apr**	**21 Apr**	**4 May**	**8 May**
Rainfall J–M (mm)	**63**	**81**	**44**	**38**	**16**
Rainfall A–O (mm)	**363**	**633**	**528**	**519**	**342**

Special thanks to 2024 trial cooperator.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 15: Kojonup med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.47	3.89	3.14	2.42	3.22
HyTTec® Trifecta	108	123	114	109	108
Hyola® Blazer TT	107	119	113	109	106
Pioneer® PY429T				111	108
HyTTec® Trophy	108	114	108	109	108
Pioneer® PY520TC		116	111	108	105
SF Dynatron TT®	106	108	106	107	105
Hyola® Defender CT			109	106	102
RGT Baseline® TT		114	111	101	100
InVigor® T 4511		107	104	104	105
Nuseed® Griffon TTI					105
Sowing date	**6 May**	**23 Apr**	**28 Apr**	**13 May**	**5 May**
Rainfall J–M (mm)	**35**	**82**	**37**	**7**	**4**
Rainfall A–O (mm)	**321**	**549**	**459**	**353**	**338**

Special thanks to 2024 trial cooperator, DT Stone & Co.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 16: Stirlings South med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.67		3.06	2.22	2.50
Pioneer® PY429T		Compromised trial		148	109
Hyola® Blazer TT	110		108	137	106
SF Dynatron TT®			112	132	106
Hyola® Defender CT			104	141	103
Pioneer® PY520TC			108	135	105
HyTTec® Trophy	105		114	122	108
HyTTec® Trifecta	109		107	122	106
Nuseed® Griffon TTI					106
InVigor® T 4511			108	106	105
RGT Baseline® TT			90	118	98
Sowing date	**6 May**	**22 Apr**	**28 Apr**	**20 Apr**	**5 May**
Rainfall J–M (mm)	**84**	**109**	**65**	**38**	**26**
Rainfall A–O (mm)	**295**	**607**	**496**	**407**	**259**

Special thanks to 2024 trial cooperator.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 17: Wagin med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.96	3.30	2.16	1.59	1.78
HyTTec® Trophy	106	113	112	115	113
SF Dynatron TT®	109	114	105	111	108
Nuseed® Griffon TTI				110	112
Hyola® Blazer TT	103	117	102	109	105
HyTTec® Trifecta			107	109	108
Pioneer® PY520TC				110	103
InVigor® T 4511		105	109	107	110
Hyola® Defender CT			95	104	97
InVigor® LT 4530P	111	96	108	99	110
SF Spark® TT	99	97	106	106	105
Sowing date	**6 May**	**20 Apr**	**12 May**	**7 May**	**2 May**
Rainfall J–M (mm)	**66**	**68**	**26**	**26**	**18**
Rainfall A–O (mm)	**177**	**408**	**308**	**220**	**241**

Special thanks to 2024 trial cooperator, Paul Ward.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 18: Hyden low-med rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.57	2.86		1.05	2.31
HyTTec® Velocity	122		Compromised trial	120	116
HyTTec® Trident	113	111		116	115
HyTTec® Trophy	104			108	108
SF Dynatron TT®	104			107	108
Nuseed® Griffon TTI				107	106
InVigor® T 4511		105		105	105
Hyola® Blazer TT	99			104	104
RGT Capacity TT	107			105	103
SF Spark® TT	103	102		104	104
InVigor® LT 4530P	97	102		101	103
Sowing date	**25 May**	**22 Apr**	**17 Apr**	**31 May**	**9 May**
Rainfall J–M (mm)	**81**	**78**	**92**	**14**	**114**
Rainfall A–O (mm)	**118**	**288**	**331**	**178**	**183**

Special thanks to 2024 trial cooperator, Mayfield Grains.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI.
Learn more via the NVT Long Term Yield Reporter

Table 19: Jerramungup low-med rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.59	2.96	2.57	2.76	2.26
HyTTec® Trident	111	109	115	110	121
HyTTec® Velocity			108	108	119
HyTTec® Trophy	101		109	108	112
SF Dynatron TT®	101		109	106	111
Hyola® Blazer TT	95		105	106	107
Nuseed® Griffon TTI				106	110
InVigor® T 4511		106	106	105	108
InVigor® LT 4530P	94	102	111	103	106
SF Spark® TT	104	100	104	103	105
RGT Capacity TT	107		97	101	103
Sowing date	**5 May**	**28 Apr**	**17 Apr**	**13 Apr**	**3 May**
Rainfall J–M (mm)	**81**	**109**	**76**	**36**	**58**
Rainfall A–O (mm)	**237**	**469**	**404**	**277**	**230**

Special thanks to 2024 trial cooperator, Trent Parsons.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI.
Learn more via the NVT Long Term Yield Reporter

Table 20: Nyabing low-med rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.46	3.20	2.55	2.69	2.05
HyTTec® Trident	108	108	111	111	108
Hyola® Blazer TT	108		110	111	101
HyTTec® Trophy			110	111	106
HyTTec® Velocity		103	105	110	108
SF Dynatron TT®	106	109	108	108	101
Nuseed® Griffon TTI				108	108
InVigor® T 4511		104	107	107	106
Hyola® Defender CT			102	103	95
InVigor® LT 4530P	102	106	105	101	97
RGT Baseline® TT			100	103	92
Sowing date	**5 May**	**20 Apr**	**18 Apr**	**12 Apr**	**3 May**
Rainfall J–M (mm)	**47**	**69**	**45**	**20**	**38**
Rainfall A–O (mm)	**179**	**409**	**303**	**240**	**253**

Special thanks to 2024 trial cooperator, Rossdean Partners.
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 were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI.
Learn more via the NVT Long Term Yield Reporter

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 2025.

Table 21: Canola disease guide – autumn 2025 ratings and resistance groups.

Variety	2025 autumn blackleg rating			2025 upper canopy infection blackleg rating	Type	Major gene resistance group of cultivar
	Bare	Fluopyram (e.g. ILeVo®)	Pydiflumetofen (e.g. Saltro®)			
CONVENTIONAL VARIETIES						
Outlaw(ф)	RMR	R	R	MR-UCI	Open pollinated	A
Nuseed® Diamond	RMR	R	R	MR-UCI	Hybrid	ABF
Nuseed® Quartz	MR			MR-UCI	Hybrid	ABD
TRIAZINE-TOLERANT VARIETIES						
Pioneer® PY429T	R		R	R-UCI	Hybrid, Triazine	ABH
HyTTec® Trifecta	R			MR-UCI	Hybrid, Triazine	ABD
DG Bidgee TT(ф)	R	R	R	R-UCI	Open pollinated, Triazine	H
HyTTec® Trident	R			MR-UCI	Hybrid, Triazine	AD
HyTTec® Trophy	R	R	R	MR-UCI	Hybrid, Triazine	AD
DG Torrens TT(ф)	RMR			R-UCI	Open pollinated, Triazine	H
Monola® H524TT	RMR			MR-UCI	High stability oil, hybrid, Triazine	AD
Hyola® Blazer TT	RMR		R	MR-UCI	Hybrid, Triazine	ADF
Monola® H421TT	RMR			MR-UCI	High stability oil, hybrid, Triazine	BC
InVigor® T 4511	RMR	R		MR-UCI	Hybrid, Triazine	Unknown
ATR-Bluefin(ф)	RMR			MR-UCI	Open pollinated, Triazine	AB
Renegade TT(ф)	MR	R	R	MR-UCI	Open pollinated, Triazine	A
SF Spark™ TT	MR	R	R	MR-UCI	Hybrid, Triazine	ABDS
HyTTec® Velocity	MR			MR-UCI	Hybrid, Triazine	AB
Monola® 422TT	MR			MR-UCI	High stability oil, open pollinated, Triazine	BC
DG Avon TT(ф)	MR		R	MR-UCI	Open pollinated, Triazine	AC
SF Dynatron™ TT	MRMS	R	R	MRMS-UCI	Hybrid, Triazine	BC
ATR-Swordfish(ф)	MRMS			MRMS-UCI	Open pollinated, Triazine	AB
RGT Baseline™ TT	MRMS	RMR	R	MRMS-UCI	Hybrid, Triazine	B
Bandit TT(ф)	MRMS	RMR	R	MRMS-UCI	Open pollinated, Triazine	A
RGT Capacity™ TT	MRMS	RMR	R	MRMS-UCI	Hybrid, Triazine	B
ATR-Bonito(ф)	MS	MR	RMR	MS-UCI	Open pollinated, Triazine	A
IMIDAZOLINONE-TOLERANT VARIETIES						
Captain CL	R			R-UCI	Winter, hybrid, Clearfield®	AH
Hyola® Solstice CL	R		R	R-UCI	Hybrid, Clearfield®	ADFH
Hyola® Feast CL	R		R	R-UCI	Winter, hybrid, Clearfield®	H
Phoenix CL	R			MR-UCI	Winter, hybrid, Clearfield®	B
Hyola® 970CL	R		R	R-UCI	Winter, hybrid, Clearfield®	H
RGT Nizza™ CL	R			MR-UCI	Winter, hybrid, Clearfield®	B
Pioneer® PN526C	R		R	MR-UCI	High stability oil, hybrid, Clearfield®	ABD
Pioneer® PY327C	R		R	MR-UCI	Hybrid, Clearfield®	AB
RGT Clavier™ CL	R			R-UCI	Winter, hybrid, Clearfield®	ACH
Pioneer® 45Y95 CL	RMR			MR-UCI	Hybrid, Clearfield®	C
Pioneer® PY421C	RMR		R	MR-UCI	Hybrid, Clearfield®	A
Nuseed® Ceres IMI	RMR			MR-UCI	Hybrid, Imidazolinone	AD
Pioneer® 43Y92 CL	RMR	R	R	MR-UCI	Hybrid, Clearfield®	B
VICTORY® V75-03CL	RMR	R		MR-UCI	High stability oil, hybrid, Clearfield®	AB
Pioneer® 44Y94 CL	RMR			MR-UCI	Hybrid, Clearfield®	BC

Continued on next page

Table 21: Canola disease guide – autumn 2025 ratings and resistance groups (continued).

Variety	2025 autumn blackleg rating			2025 upper canopy infection blackleg rating	Type	Major gene resistance group of cultivar
	Bare	Fluopyram (e.g. ILeVo®)	Pydiflumetofen (e.g. Saltro®)			
IMIDAZOLINONE AND TRIAZINE-TOLERANT VARIETIES						
Hyola® Defender CT	R		R	MR-UCI	Hybrid, Clearfield®, Triazine	ADF
Pioneer® PY520 TC	RMR		R	MR-UCI	Hybrid, Clearfield®, Triazine	BC
Nuseed® Griffon TTI	RMR			MR-UCI	Hybrid, Imidazolinone, Triazine	AC
GLYPHOSATE-TOLERANT VARIETIES						
DG Hotham TF	R			R-UCI	Hybrid, TruFlex®	ABH
Nuseed® Raptor TF	R			MR-UCI	Hybrid, TruFlex®	AD
Nuseed® Eagle TF	R			MR-UCI	Hybrid, TruFlex®	ABD
VICTORY® V55-04TF	R	R		MR-UCI	High stability oil, hybrid, TruFlex®	AB
DG Lofty TF	R			R-UCI	Hybrid, TruFlex®	ABH
Nuseed® Hunter TF	RMR			MR-UCI	Hybrid, TruFlex®	AB
Pioneer® PY422G	RMR		R	MR-UCI	Hybrid, Optimum GLY®	AB
Pioneer® 44Y27 RR	RMR	R	R	MR-UCI	Hybrid, Roundup Ready®	B
DG Buller G	RMR			R-UCI	Hybrid, Optimum GLY®	H
Nuseed® Emu TF	MR			MR-UCI	Hybrid, TruFlex®	AB
Pioneer® PY525G	MR		R	MR-UCI	Hybrid, Optimum GLY®	AB
Pioneer® PY323G	MR		R	MR-UCI	Hybrid, Optimum GLY®	BC
Pioneer® PY428R	MR		R	MR-UCI	Hybrid, Roundup Ready®	B
InVigor® R 4520P	MRMS	R		MRMS-UCI	Hybrid, Truflex®	B
GLYPHOSATE AND IMIDAZOLINONE-TOLERANT VARIETIES						
Hyola® Regiment XC	R	R	R	R-UCI	Hybrid, TruFlex®, Clearfield®	ADFH
Pioneer® PY424GC	MR		R	MR-UCI	Hybrid, TruFlex®, Clearfield®	BC
GLUFOSINATE AND TRIAZINE-TOLERANT VARIETIES						
InVigor® LT 4530P	RMR	R		MR-UCI	Hybrid, LibertyLink®, Triazine	BF
GLUFOSINATE AND GLYPHOSATE-TOLERANT VARIETIES						
InVigor® LR 4540P	RMR	R		MR-UCI	Hybrid, LibertyLink®, TruFlex®	B
InVigor® LR 5040P	RMR	R		MR-UCI	Hybrid, LibertyLink®, TruFlex®	AB
InVigor® LR 3540P	MR	R		MR-UCI	Hybrid, LibertyLink®, TruFlex®	AB

R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, UCI = upper canopy infection.
Please check updated ratings using the Blackleg Management Guide or the NVT Disease Ratings.

FABA BEAN

Faba bean variety yield performance – Albany

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: Gnowangerup faba bean.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		3.09	2.47	1.05	2.19
Nura	Compromised trial	115	100	101	115
PBA Bendoc(b)*		115	103	99	112
PBA Marne(b)		108	103	126	106
Farah		106	96	122	116
PBA Zahra(b)		104	98	112	116
Fiesta VF		104	96	119	109
PBA Amberley(b)		102	98	97	110
PBA Samira(b)		98	96	106	110
PBA Rana		91	84	101	99
Sowing date	**7 May**	**27 Apr**	**12 May**	**31 May**	**5 May**
Rainfall J–M (mm)	**74**	**77**	**55**	**17**	**30**
Rainfall A–O (mm)	**202**	**435**	**384**	**266**	**264**

Special thanks to 2024 trial cooperator.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 2: Kojonup faba bean.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.66	2.55	3.11	2.00	
PBA Marne(b)	76	113	107	119	
Fiesta VF	103	106	97	104	
PBA Rana		94	85	72	
Farah	96	106	93	104	
PBA Samira(b)	103	101	92	96	No trial
PBA Zahra(b)	86	102	92	103	
PBA Amberley(b)	97	95	91	94	
PBA Bendoc(b)*	83	92	94	101	
Nura	93	91	90	97	
Sowing date	**7 May**	**26 Apr**	**28 Apr**	**14 May**	
Rainfall J–M (mm)	**45**	**99**	**29**	**18**	
Rainfall A–O (mm)	**322**	**618**	**429**	**387**	

No 2024 trial cooperator.
* 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

Faba bean variety disease ratings – Western Australia

The following table contains varietal ratings for the predominant diseases of faba bean in Western Australia. These ratings are updated annually by crop pathologists and were released in March 2025.

Selected varieties of most relevance to Western Australian 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 Western Australia.

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

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,
^ line contains a few susceptible off types, ( ) show outlier.

FIELD PEA

Field pea variety yield performance – Albany

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: Katanning field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.05		1.55	1.27	
PBA Taylor(ↀ)	113	Trial failed	113	116	No trial
APB Bondi(ↀ)	115		101	121	
PBA Butler(ↀ)	105		95	123	
Kaspa	104		102	112	
PBA Wharton(ↀ)	105		103	97	
PBA Gunyah(ↀ)	98		105	100	
PBA Oura(ↀ)	95		104	90	
PBA Twilight(ↀ)	95		95	86	
GIA Kastar(ↀ)*	87		58	69	
GIA Ourstar(ↀ)*	77		77	60	
Sowing date	**25 May**	**1 Jun**	**7 Jun**	**26 May**	
Rainfall J–M (mm)	**64**	**68**	**26**	**16**	
Rainfall A–O (mm)	**157**	**454**	**381**	**262**	

No 2024 trial cooperator.
* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

Table 2: Pingrup field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.43	1.46	1.72	1.36	
APB Bondi(ↀ)	111	115	105	114	No trial
PBA Taylor(ↀ)	108	112	111	108	
PBA Butler(ↀ)	98	102	103	114	
Kaspa	99	104	103	103	
PBA Wharton(ↀ)	106	107	100	96	
PBA Gunyah(ↀ)	98	97	104	100	
PBA Oura(ↀ)	98	94	101	97	
PBA Twilight(ↀ)	100	98	93	90	
GIA Ourstar(ↀ)*	90	82	76	76	
GIA Kastar(ↀ)*	95	99	62	69	
Sowing date	**25 May**	**17 Jun**	**7 Jun**	**24 May**	
Rainfall J–M (mm)	**56**	**48**	**57**	**32**	
Rainfall A–O (mm)	**189**	**386**	**320**	**195**	

No 2024 trial cooperator.
* 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

Field pea variety disease ratings – Western Australia

The following table contains varietal ratings for the predominant diseases of field pea in Western Australia. These ratings are updated annually by crop pathologists and were released in March 2025.

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

Table 3: Field pea disease guide for Western Australia.

Variety	Bacterial blight	Downy mildew	Powdery mildew	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus thornei*)
APB Bondi(Φ)	S	RMR (S)	RMR	RMR	MSS
GIA Kastar(Φ)	S	S	RMR	MR	MS
GIA Ourstar(Φ)	S (P)	S	S	MRMS	MS
Kaspa	S	S	S	RMR	MRMS
PBA Butler(Φ)	MS	S	S	RMR	MRMS
PBA Gunyah(Φ)	S	S	S	RMR	MRMS
PBA Noosa(Φ)	S	MS	S	RMR	MRMS
PBA Oura(Φ)	MS	S	S	MR	MRMS (P)
PBA Pearl	MS	S	S	MR	MRMS
PBA Percy	MRMS	S	S	RMR	RMR
PBA Taylor(Φ)	S	S	S	RMR	MRMS
PBA Twilight(Φ)	S	S	S	MR	MRMS
PBA Wharton(Φ)	S	S	R (S)	MR	MRMS

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,
^ line contains a few susceptible off types, ( ) show outlier.

LUPIN

Lupin variety yield performance – Albany

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: Katanning narrow-leaf lupin.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.89		2.34	1.39	2.77
Coyote[Φ]	127	Trial failed	115	129	99
PBA Bateman[Φ]	115		114	124	97
Rosemont[Φ]			106	104	107
PBA Jurien[Φ]	109		110	107	105
PBA Gunyidi[Φ]	108		109	113	99
PBA Barlock[Φ]	104		108	107	102
Gidgee[Φ]			101	98	105
Lawler[Φ]	107		101	101	103
Mandelup[Φ]	101		100	98	102
Coromup[Φ]	101		99	113	90
Sowing date	**5 May**	**30 Apr**	**1 May**	**26 May**	**2 May**
Rainfall J–M (mm)	**64**	**68**	**26**	**16**	**14**
Rainfall A–O (mm)	**157**	**454**	**381**	**262**	**251**

Special thanks to 2024 trial cooperator, Kunmallup Pastoral Co.
Learn more via the NVT Long Term Yield Reporter

Table 2: Pingrup narrow-leaf lupin.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.78	3.35	1.73	1.13	2.51
Coyote[Φ]	121	111	115	115	99
Rosemont[Φ]			109	113	106
PBA Jurien[Φ]	110		100	104	105
Gidgee[Φ]		103	108	109	103
PBA Bateman[Φ]	110	108	104	104	99
Lawler[Φ]	107	102	106	107	102
PBA Gunyidi[Φ]	105	105	101	101	100
PBA Barlock[Φ]	104	106	96	99	103
Mandelup[Φ]	101	101	100	101	101
Coromup[Φ]	95	94	104	99	91
Sowing date	**25 May**	**1 May**	**29 Apr**	**8 May**	**5 May**
Rainfall J–M (mm)	**44**	**48**	**57**	**32**	**38**
Rainfall A–O (mm)	**183**	**386**	**320**	**195**	**193**

Special thanks to 2024 trial cooperator.
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

Lupin variety disease ratings – Western Australia

The following table contains varietal ratings for the predominant diseases of lupin in Western Australia. These ratings are updated annually by crop pathologists and were released in March 2025.

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

Table 3: Lupin disease guide for Western Australia.

Variety	Anthracnose	Bean yellow mosaic virus (BYMV)	Cucumber mosaic virus (CMV)	Phomopsis pod infection	Phomopsis stem infection	Sclerotinia stem rot
Coromup[Φ]	MRMS	S (P)	MR	S	MR	S (P)
Coyote[Φ]	MS	MR (P)	MRMS	MRMS	S	S (P)
Gidgee[Φ]	MRMS	S (P)	MRMS	S	MR	S (P)
Jenabillup[Φ]	MRMS		MRMS	MR	MS	S (P)
Lawler[Φ]	MS	MS (P)	MRMS	MS	MR	S (P)
Mandelup[Φ]	MRMS	S (P)	MRMS	S	MR	S (P)
PBA Barlock[Φ]	S	MS (P)	MRMS	MR	MR	S (P)
PBA Bateman[Φ]	MRMS	MR (P)	MR	S	RMR	S (P)
PBA Gunyidi[Φ]	MS	MS (P)	MRMS	MRMS	RMR	S (P)
PBA Jurien[Φ]	MS	MRMS (P)	MS	MRMS	RMR	S (P)
PBA Leeman[Φ]	MR	S (P)	MRMS	MRMS	MR	S (P)
Rosemont[Φ]	MRMS (P)	MRMS (P)	MR	MRMS	MR	S (P)
Wonga	MS	MS (P)	MR	MR	MR	S (P)

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, ^ line contains a few susceptible off types, ( ) show outlier.

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