Central South Australia

March 2025

GRDC NATIONAL VARIETY TRIALS™ | CELEBRATING 20 YEARS

NVT HARVEST REPORT

INTERIM VERSION

nvt.grdc.com.au

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NVT Harvest Report Interim Version – Central South Australia

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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 – Central South Australia provides information to support growers and advisers with decisions on variety selection for **Central South Australia**. 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 **Central South Australia** 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 – Central South Australia*, 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 **Central South Australia**.

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.

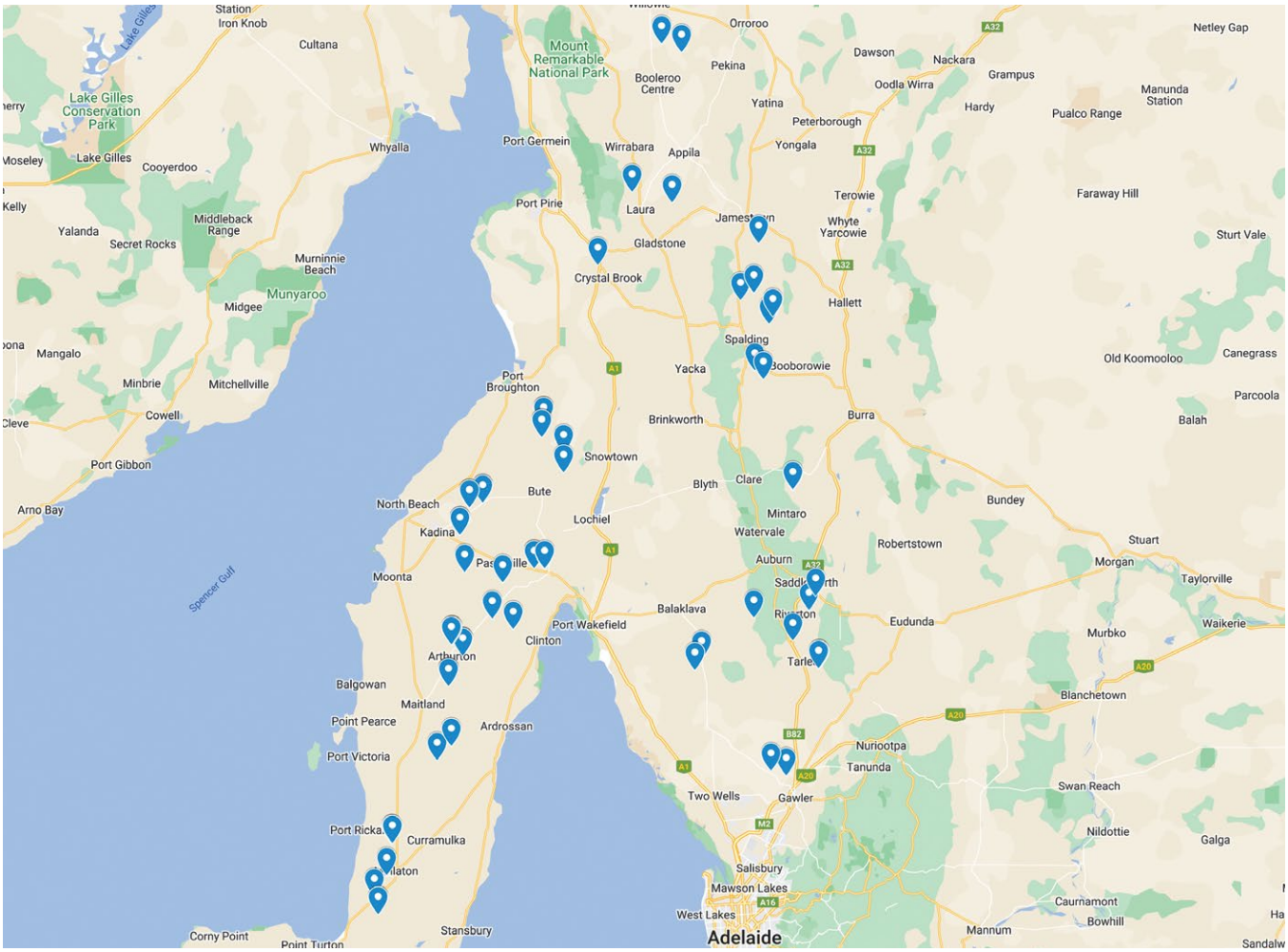
Established in 2005 by the Grains Research and Development Corporation (GRDC), the NVT program has evolved into the largest coordinated variety trial network in the world. Each year, more than 640 trials are conducted across over 300 locations nationwide, encompassing 10 different crop species. Over 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 National Advisory 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 – Central South Australia

Figure 1: Locality of NVT trial sites in Central South Australia 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 – southern zone	End point royalty* ($)	Comments supplied by breeding company[1]
Boa(Φ)	LongReach Plant Breeders Pty Ltd	TBC	4.00	Boa(Φ) is an AH wheat combining the best attributes of the Scepter(Φ) x LRPB Cobra(Φ) parentage to deliver a shorter canopy wheat with an erect growth habit to suit high production and irrigation. Boa(Φ) has both acid and boron tolerance traits. **Maturity description:** quick-mid spring
Ironbark(Φ)	Australian Grain Technologies Pty Ltd	TBC	3.90	Ironbark(Φ) is derived from Beckom(Φ) and is an excellent replacement for Beckom(Φ). It is similar in plant height and canopy to Beckom(Φ) and is very widely adapted, suited to most of southern NSW. It has improved yield and grain size compared with Beckom(Φ). It carries the major aluminium tolerance gene, which contributes to acid soil tolerance. **Maturity description:** mid spring
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 Major(Φ)	LongReach Plant Breeders Pty Ltd	AH	4.00	LRBP Major(Φ) is suitable for early to mid-May seeding opportunities throughout southern NSW. It has strong yield performance in both acidic and sodic soil yield trials. Marketed by Pacific Seeds. **Maturity description:** mid-slow spring
RGT Ponsford(Φ)	RAGT	TBC	4.00	Variety description not supplied.
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

*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 – Central South Australia

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: Booleroo Centre main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	3.21	2.20	3.06	1.14	
Shotgun(b)					121	Compromised trial
Ballista(b)	AH	109	107	102	115	
Calibre(b)	AH	106	111	101	118	
Genie(b)	AH				100	
RockStar(b)	AH	108	107	107	101	
Boa(b)					106	
Sunblade CL Plus(b)	AH	104	106	107	104	
LRPB Matador(b)	AH			97	114	
Brumby(b)	APW		108	104	106	
Vixen(b)	AH	107	105	95	119	
Reilly(b)	AH	108	101	99	108	
Dozer(b) CL Plus	APW				107	
RGT Ponsford(b)			102	104	98	
Boree(b)	AH	103	105	100	106	
Denison(b)	APW	100	106	105	97	
Sowing date		**11 May**	**26 May**	**1 Jun**	**30 May**	**31 May**
Rainfall J–M (mm)		**96**	**29**	**62**	**25**	**20**
Rainfall A–O (mm)		**344**	**213**	**251**	**163**	**126**

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

Table 2: Brentwood main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	3.46	4.90	5.95	4.12	
Shotgun(b)					105	
Tomahawk CL Plus(b)	APW			110	105	
LRPB Matador(b)	AH			108	105	
Calibre(b)	AH	110	110	109	104	
Vixen(b)	AH	111	111	107	102	
Boa(b)					107	
Ballista(b)	AH	108	108	107	102	
Brumby(b)	APW		105	107	107	No trial
RockStar(b)	AH	105	104	107	109	
Dozer(b) CL Plus	APW				104	
RGT Ponsford(b)			103	106	108	
Scepter(b)	AH	107	107	105	103	
Boree(b)	AH	106	106	105	105	
Kingston(b)	AH	107	105	104	106	
Denison(b)	APW	103	102	105	109	
Sowing date		**12 May**	**25 May**	**9 Jun**	**9 May**	
Rainfall J–M (mm)		**51**	**51**	**92**	**35**	
Rainfall A–O (mm)		**285**	**291**	**286**	**234**	

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

Table 3: Maitland main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	4.79	5.26	5.98	4.81	4.15
Shotgun(b)					115	108
Tomahawk CL Plus(b)	APW			98	118	112
RockStar(b)	AH	107	110	111	109	108
Brumby(b)	APW		109	106	113	111
Calibre(b)	AH	108	111	101	112	113
Boa(b)					110	107
LRPB Matador(b)	AH			100	112	110
Denison(b)	APW	104	107	109	111	110
RGT Ponsford(b)			108	110	109	105
Ballista(b)	AH	107	109	102	108	107
Vixen(b)	AH	109	110	96	109	108
Boree(b)	AH	106	107	102	108	107
Dozer(b) CL Plus	APW				105	103
Scepter(b)	AH	104	107	98	111	109
Kingston(b)	AH	108	106	102	108	102
Sowing date		**11 May**	**14 May**	**19 May**	**12 May**	**6 Jun**
Rainfall J–M (mm)		**47**	**71**	**97**	**58**	**23**
Rainfall A–O (mm)		**344**	**219**	**417**	**278**	**198**

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

Table 4: Minlaton main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class					3.83
Tomahawk CL Plus(b)	APW	No trial	No trial	No trial	No trial	109
Shotgun(b)						108
Calibre(b)	AH					106
Brumby(b)	APW					106
Vixen(b)	AH					105
Ballista(b)	AH					105
Scepter(b)	AH					105
LRPB Matador(b)	AH					105
Boa(b)						104
Sunmaster(b)	APH					104
Soaker(b)	APW					104
Denison(b)	APW					103
Sunblade CL Plus(b)	AH					103
RGT Ponsford(b)						103
RockStar(b)	AH					103
Sowing date						**30 May**
Rainfall J–M (mm)						**28**
Rainfall A–O (mm)						**145**

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

Table 5: Mintaro main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.65	6.49	7.25		
Ballista(Ф)	AH	106	109	108	Compromised trial	Compromised trial
RGT Zanzibar	FEED	98	102	121		
Tomahawk CL Plus(Ф)	APW			105		
RockStar(Ф)	AH	106	110	104		
RGT Ponsford(Ф)			107	106		
Calibre(Ф)	AH	106	110	102		
LRPB Matador(Ф)	AH			101		
Vixen(Ф)	AH	108	106	102		
Sunblade CL Plus(Ф)	AH	100	106	109		
Sunmaster(Ф)	APH		104	114		
Devil(Ф)	AH	107	105	103		
Brumby(Ф)	APW		108	103		
Kingston(Ф)	AH	107	101	103		
Denison(Ф)	APW	102	107	100		
Boree(Ф)	AH	105	105	99		
Sowing date		**11 May**	**31 May**	**3 Jun**	**22 May**	**5 Jun**
Rainfall J–M (mm)		**82**	**34**	**71**	**40**	**7**
Rainfall A–O (mm)		**436**	**429**	**563**	**263**	**190**

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

Table 6: Paskeville main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class		2.40		3.42	4.01
Tomahawk CL Plus(Ф)	APW	Compromised trial		Compromised trial	118	113
Shotgun(Ф)					117	113
LRPB Matador(Ф)	AH				113	109
Vixen(Ф)	AH		112		112	109
Calibre(Ф)	AH		105		110	112
Scepter(Ф)	AH		107		109	109
Soaker(Ф)	APW				110	105
Kingston(Ф)	AH		111		111	102
Ballista(Ф)	AH		104		107	109
Brumby(Ф)	APW		100		108	110
Boa(Ф)					108	107
Boree(Ф)	AH		105		107	106
Dozer(Ф) CL Plus	APW				108	103
Razor CL Plus(Ф)	ASW		108		104	106
LRPB Anvil(Ф) CL Plus	AH		112		103	103
Sowing date		**7 May**	**12 May**	**14 Jun**	**16 May**	**3 Jun**
Rainfall J–M (mm)		**39**	**33**	**113**	**47**	**21**
Rainfall A–O (mm)		**268**	**229**	**285**	**201**	**152**

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

Table 7: Pinery main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class					
		No trial	No trial	No trial	No trial	Compromised trial
Sowing date						**30 May**
Rainfall J–M (mm)						**13**
Rainfall A–O (mm)						**184**

Special thanks to 2024 trial cooperator.

Table 8: Spalding main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.56	4.05	8.57	4.93	2.33
Shotgun(Ф)					111	117
Tomahawk CL Plus(Ф)	APW			114	111	116
Vixen(Ф)	AH	110	109	107	106	115
Ballista(Ф)	AH	109	106	110	104	111
LRPB Matador(Ф)	AH			106	105	114
Calibre(Ф)	AH	109	108	105	105	116
Boa(Ф)					103	109
Kingston(Ф)	AH	105	105	109	105	104
Scepter(Ф)	AH	105	106	105	106	110
Soaker(Ф)	APW				106	107
Dozer(Ф) CL Plus	APW				101	108
Brumby(Ф)	APW		105	105	104	108
RGT Ponsford(Ф)			104	107	102	104
Sunblade CL Plus(Ф)	AH	104	101	108	102	103
Lancelin(Ф)				102	105	107
Sowing date		**8 May**	**31 May**	**2 Jun**	**11 May**	**2 Jun**
Rainfall J–M (mm)		**67**	**31**	**52**	**38**	**62**
Rainfall A–O (mm)		**425**	**318**	**396**	**239**	**169**

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

Table 9: Turretfield main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.28	5.72	7.60	4.35	
Shotgun(Ф)					110	
Tomahawk CL Plus(Ф)	APW			103	112	
Boa(Ф)					104	
LRPB Matador(Ф)	AH			103	106	
RockStar(Ф)	AH	106	109	109	101	
RGT Ponsford(Ф)			108	109	102	
Brumby(Ф)	APW		109	105	106	
RGT Zanzibar	FEED	96	99	126	93	No trial
Kingston(Ф)	AH	108	106	106	104	
Calibre(Ф)	AH	108	109	102	106	
Denison(Ф)	APW	104	109	106	102	
Ballista(Ф)	AH	107	105	104	105	
Dozer(Ф) CL Plus	APW				101	
Vixen(Ф)	AH	109	107	100	106	
Boree(Ф)	AH	106	107	102	103	
Sowing date		**15 May**	**26 May**	**23 May**	**23 May**	
Rainfall J–M (mm)		**32**	**43**	**82**	**9**	
Rainfall A–O (mm)		**285**	**298**	**370**	**224**	

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

Table 10: Wokurna main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	2.50	4.19	6.96	4.20	
Shotgun(Ф)					117	
Tomahawk CL Plus(Ф)	APW			108	118	
Brumby(Ф)	APW		110	107	108	
Boa(Ф)					106	
Calibre(Ф)	AH	108	112	106	108	
LRPB Matador(Ф)	AH			105	108	
RockStar(Ф)	AH	113	109	108	101	
RGT Ponsford(Ф)			107	108	104	Trial failed
Ballista(Ф)	AH	106	107	107	107	
Denison(Ф)	APW	112	109	106	103	
Vixen(Ф)	AH	102	110	104	109	
Scepter(Ф)	AH	104	108	103	110	
Kingston(Ф)	AH	103	107	105	108	
Soaker(Ф)	APW				110	
Sunmaster(Ф)	APH		97	109	106	
Sowing date		**7 May**	**26 May**	**13 May**	**19 May**	**4 Jun**
Rainfall J–M (mm)		**66**	**36**	**47**	**31**	**21**
Rainfall A–O (mm)		**250**	**234**	**283**	**255**	**189**

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

Table 11: Maitland durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.39	4.48	5.81	3.33	2.49
Patron(Ф)	ADR		114	117	92	99
Bitalli(Ф)	ADR	103	104	103	102	101
DBA Mataroi(Ф)	FEED		101	97	110	103
Westcourt(Ф)	ADR	101	98	107	98	96
Hyperno(Ф)	ADR	101	101	100	94	100
DBA-Aurora(Ф)	ADR	102	105	95	88	102
Saintly	ADR	95	95	90	110	102
DBA Vittaroi(Ф)	ADR	97	100	87	93	103
DBA Bindaroi(Ф)	FEED	95	95	89	99	101
Caparoi(Ф)	ADR	95	93	89	90	99
Sowing date		**11 May**	**14 May**	**19 May**	**12 May**	**6 Jun**
Rainfall J–M (mm)		**47**	**71**	**97**	**58**	**23**
Rainfall A–O (mm)		**344**	**219**	**417**	**278**	**198**

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

Table 12: Mintaro durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.73	6.67	7.16		
Patron(Ф)	ADR		116	118		
DBA-Aurora(Ф)	ADR	109	110	106		
DBA Spes	ADR	108	106	105		
Bitalli(Ф)	ADR	106	104	106		
DBA Vittaroi(Ф)	ADR	105	104	99		
WID802	ADR	102	104	100	Compromised trial	Trial failed
DBA-Artemis(Ф)	ADR	98	106	101		
Hyperno(Ф)	ADR	101	103	101		
DBA Mataroi(Ф)	FEED		98	102		
Tjilkuri	ADR	99	102	99		
Sowing date		**11 May**	**31 May**	**3 Jun**	**22 May**	**5 Jun**
Rainfall J–M (mm)		**82**	**34**	**71**	**40**	**7**
Rainfall A–O (mm)		**436**	**429**	**563**	**263**	**190**

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

Table 13: Paskeville durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class		1.85		2.92	
DBA Mataroi(b)	FEED	Compromised trial	114	Compromised trial	106	No trial
Saintly	ADR		112		105	
DBA Spes	ADR		107		102	
Bitalli(b)	ADR		106		102	
DBA Vittaroi(b)	ADR		108		100	
DBA Bindaroi(b)	FEED		102		100	
DBA-Aurora(b)	ADR		102		98	
Patron(b)	ADR		96		99	
Hyperno(b)	ADR		96		98	
Caparoi(b)	ADR		90		94	
Sowing date		**7 May**	**13 May**	**14 Jun**	**16 May**	
Rainfall J–M (mm)		**39**	**33**	**113**	**47**	
Rainfall A–O (mm)		**268**	**229**	**285**	**201**	

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

Table 14: Pinery durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class					
		No trial	No trial	No trial	No trial	Compromised trial
Sowing date						**30 May**
Rainfall J–M (mm)						**13**
Rainfall A–O (mm)						**184**

Special thanks to 2024 trial cooperator.

Table 15: Spalding durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	4.96	2.98	8.57	3.77	1.74
Patron(b)	ADR		101	120	107	104
Bitalli(b)	ADR	103	101	107	102	102
DBA-Aurora(b)	ADR	109	109	98	100	109
DBA Mataroi(b)	FEED		100	104	101	101
Hyperno(b)	ADR	102	102	98	100	102
DBA Vittaroi(b)	ADR	106	110	91		108
Westcourt(b)	ADR	95	94	100	100	94
Saintly	ADR	97	101	94	97	100
DBA Bindaroi(b)	FEED	98	103	89	96	101
Caparoi(b)	ADR	98	104	83	95	101
Sowing date		**8 May**	**31 May**	**2 Jun**	**11 May**	**2 Jun**
Rainfall J–M (mm)		**67**	**31**	**52**	**38**	**62**
Rainfall A–O (mm)		**425**	**318**	**396**	**239**	**169**

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

Table 16: Turretfield durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	4.58	5.51	7.00	4.44	
Patron(b)	ADR		105	123	100	No trial
DBA-Artemis(b)	ADR	104	103	103	98	
Westcourt(b)	ADR	100	102	103	102	
Bitalli(b)	ADR	101	100	105	100	
Hyperno(b)	ADR	102	101	101	98	
DBA-Aurora(b)	ADR	104	101	101	95	
DBA Mataroi(b)	FEED		98	99	101	
DBA Bindaroi(b)	FEED	98	98	88	98	
Caparoi(b)	ADR	99	99	87	97	
Saintly	ADR	96	96	89	100	
Sowing date		**15 May**	**26 May**	**23 May**	**23 May**	
Rainfall J–M (mm)		**32**	**43**	**82**	**9**	
Rainfall A–O (mm)		**285**	**298**	**370**	**224**	

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

Table 17: Wokurna durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	2.14	2.92	6.18	2.95	
Patron(b)	ADR		108	108	106	Trial failed
Bitalli(b)	ADR	105	104	101	104	
DBA Spes	ADR	105	101	99	105	
DBA-Aurora(b)	ADR	108	98	99	105	
DBA Mataroi(b)	FEED		103	98	104	
Hyperno(b)	ADR	102	98	101	100	
DBA-Artemis(b)	ADR	103	96	103	96	
Westcourt(b)	ADR	97	99	104	94	
DBA Vittaroi(b)	ADR	102	95	95	104	
Saintly	ADR	93	99	94	101	
Sowing date		**7 May**	**26 May**	**13 May**	**19 May**	**4 Jun**
Rainfall J–M (mm)		**66**	**36**	**47**	**31**	**21**
Rainfall A–O (mm)		**250**	**234**	**283**	**255**	**189**

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

Wheat variety quality – Central South Australia

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 Central South Australia 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 Central SA in 2023.

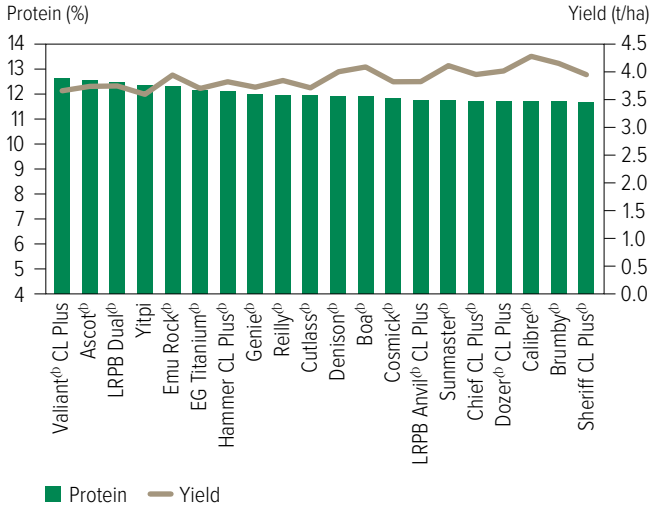


Figure 2: Protein (%) and yield (t/ha) comparisons for main season wheat varieties from four NVT sites in Central SA in 2024.

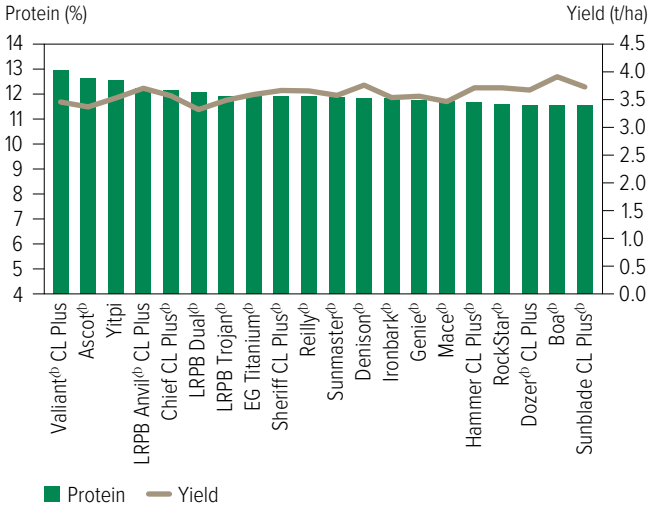


Figure 3: Protein (%) and yield (t/ha) comparisons for durum wheat varieties from five NVT sites in Central SA in 2023.

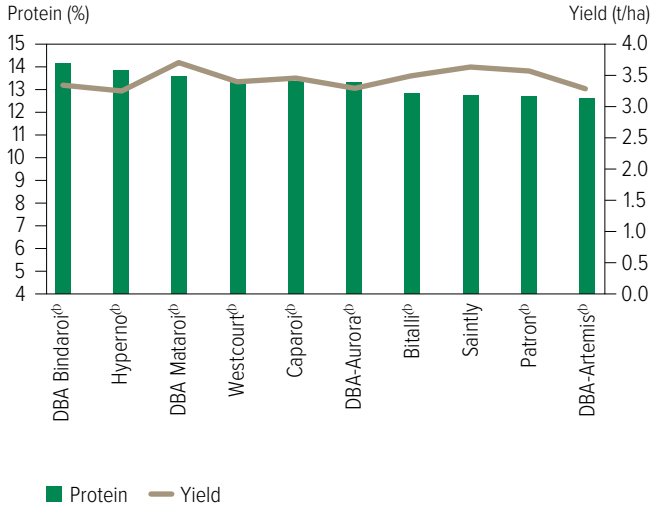
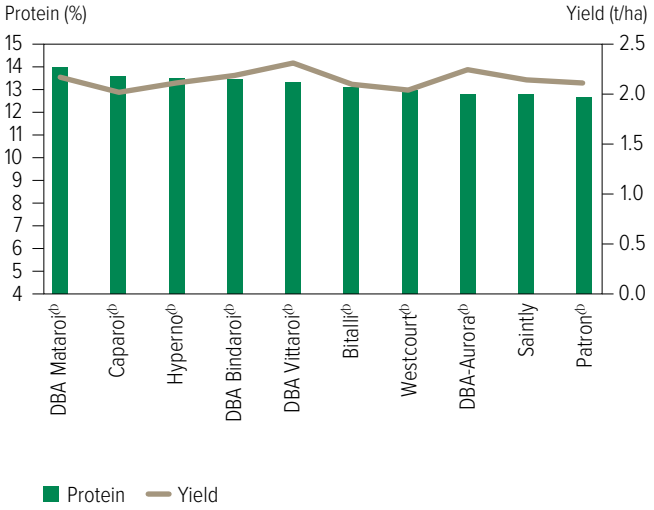


Figure 4: Protein (%) and yield (t/ha) comparisons for durum wheat varieties from two NVT sites in Central SA in 2024.



Test weight comparisons

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

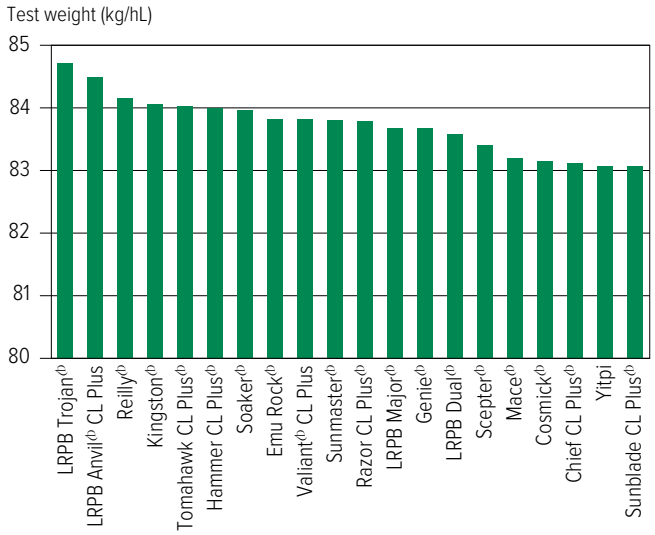


Figure 6: Test weight (kg/hL) comparisons for main season wheat varieties from four NVT sites in Central SA in 2024.

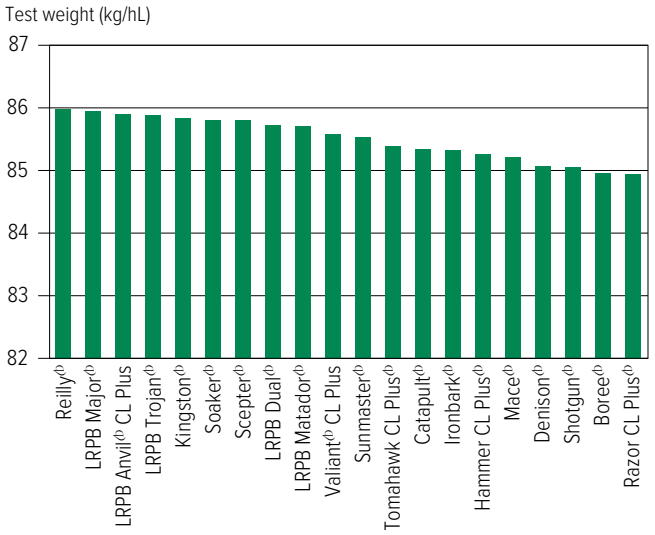


Figure 7: Test weight (kg/hL) comparisons for durum wheat varieties from five NVT sites in Central SA in 2023.

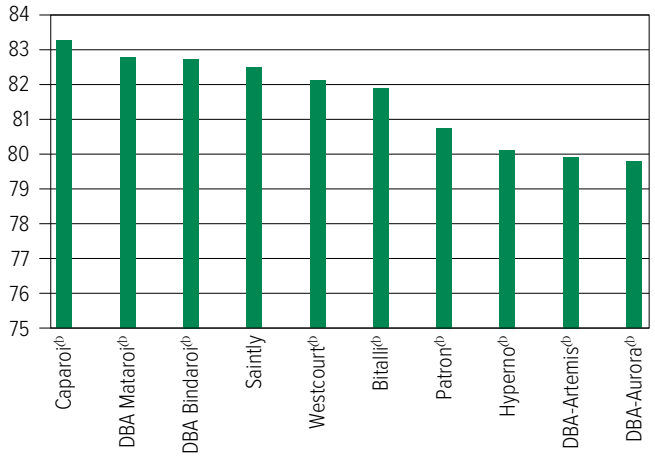
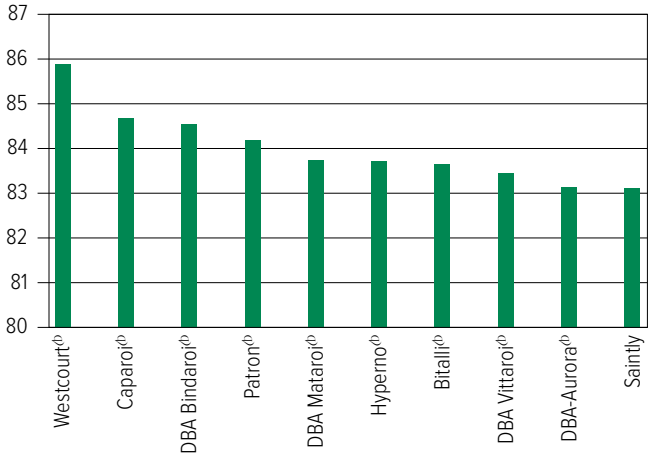


Figure 8: Test weight (kg/hL) comparisons for durum wheat varieties from two NVT sites in Central SA in 2024.



Screenings comparisons

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

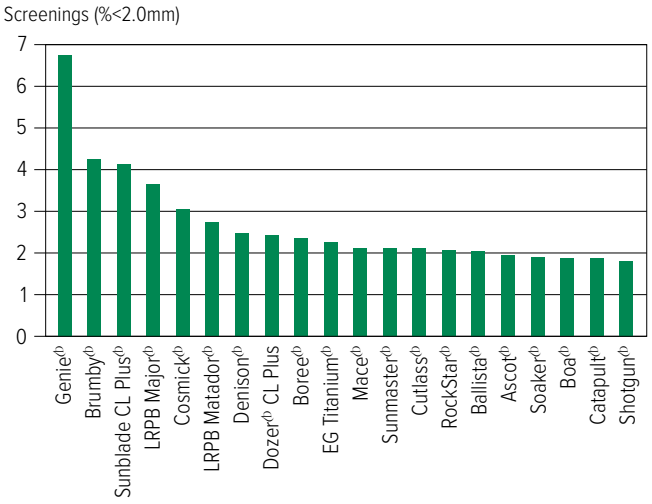


Figure 10: Screenings (<2.0mm) comparisons for main season wheat varieties from four NVT sites in Central SA in 2024.

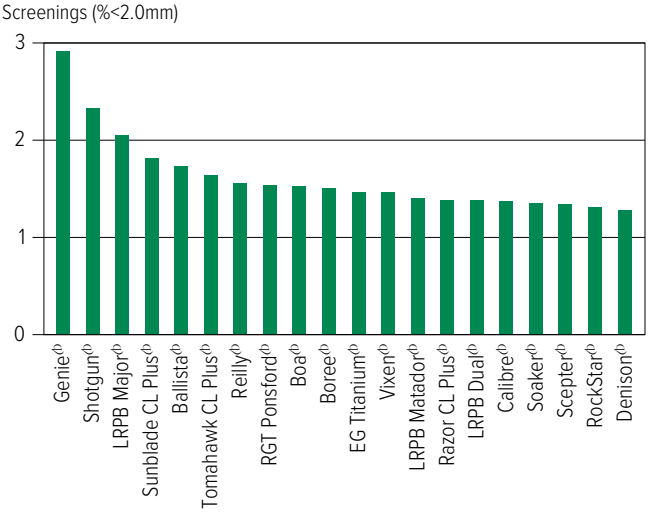


Figure 11: Screenings (<2.0mm) comparisons for durum wheat varieties from five NVT sites in Central SA in 2023.

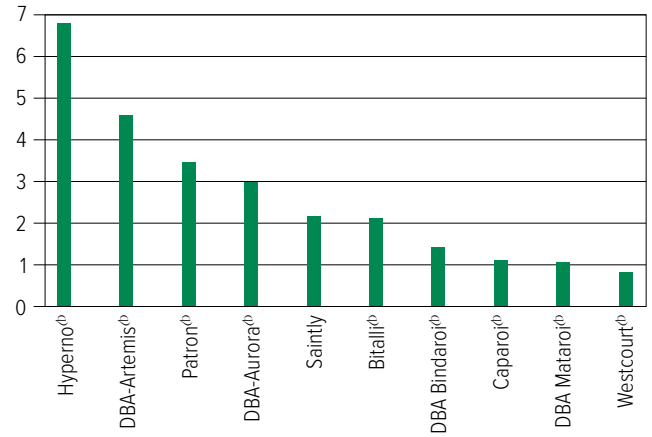
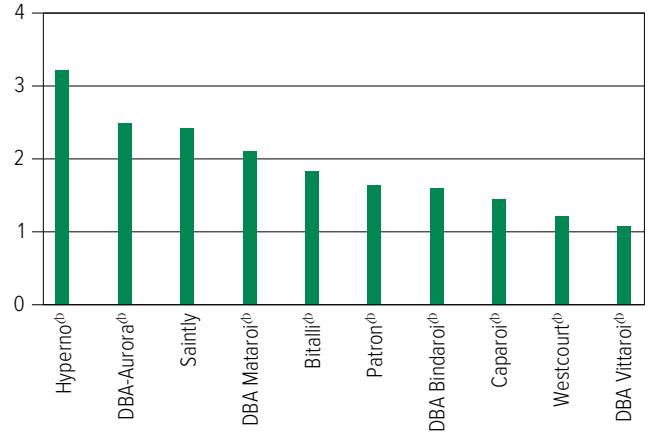


Figure 12: Screenings (<2.0mm) comparisons for durum wheat varieties from two NVT sites in Central SA in 2024.



Wheat variety disease ratings – South Australia

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

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

Table 18: Wheat disease guide for South Australia.

Variety	Stem rust	Stripe rust (east coast resistance)	Leaf rust	*Septoria tritici* blotch	Yellow leaf spot	Powdery mildew	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus thornei*)	CCN	Eyespot	Crown rot	Black point*
Anapurna	MSS	RMR	MS	MRMS	MRMS	RMR	MS	S (P)	MRMS		SVS	
Ascot(b)	MRMS	MSS	RMR	S	MRMS	S	S	S	MR	S	S	
Avoca(b)	MRMS	MRMS	MSS	MSS	MSS	MS	R (P)	MSS	S (P)	S (P)	MSS (P)	
Ballista(b)	MR	MSS	S	SVS	MS	SVS	S	MRMS	MRMS	S	S	
Beckom(b)	MRMS	MRMS	MSS	S	MSS	S	S	MSS	R		S	
BigRed(b)	S	RMR	MRMS	MR	MR	RMR	MRMS	MS	S		MSS	
Boa(b)	MS	MRMS	MR	S	MRMS	S	S	VS	R (P)	S (P)	MSS (P)	
Boree(b)	MR	SVS	S	SVS	MRMS	SVS	S	MSS	MSS		S	
Brighton(b)	MRMS	MRMS	S	S	MRMS	SVS	S	MS	R	MSS	S	
Brumby(b)	MR	MS	SVS	S	MRMS	MSS	MRMS	MS	MRMS	S	S	
Calibre(b)	MR	S	S	S	MRMS	MSS	S	MSS	MRMS	S	S	
Catapult(b)	MR	S	S	MSS	MRMS	S	S	MS	R	S	MSS	
Chief CL Plus(b)	MR	SVS	MR	S	MRMS	SVS	MRMS	MSS	MS	MSS	MSS	
Coolah(b)	MR	MSS	RMR	MSS	MSS	MSS	S	MS	S		MSS	
Coota(b)	RMR	S	MR	S	MSS	S	MR	MS	MR	S	MSS	
Cutlass(b)	R	MSS	RMR	MSS	MSS	MSS	MSS	MSS	MR		S	
Denison(b)	MS	S	S	MSS	MRMS	S	S	S	MS	S	MSS	
Devil(b)	S	SVS	SVS	SVS	MRMS	S	MSS	S	MSS	S	MSS	
Dozer(b) CL Plus	MS	S	S	S	MRMS	S	MRMS	S	MS	SVS	S	
DS Bennett(b)	MS	S	SVS	MSS	MRMS	R	S	S	S		VS	
DS Pascal(b)	MSS	MRMS	MRMS	MSS	MS	RMR	S	S	S		S	
EG Jet(b)	S	MRMS	MSS	MSS	MRMS	SVS	S	S	MRMS		S	
EG Titanium(b)	MS	MR	MS	MSS	MSS	S	MSS	MSS	R	S	MSS	
EGA Wedgetail(b)	MRMS	MS	MSS	MSS	MSS	MSS (P)	S	VS	S		S	
Genie(b)	MRMS	MSS	S	S	MRMS (P)	SVS	MS (P)	MRMS	MSS (P)	S (P)	MS (P)	
Hammer CL Plus(b)	MR	MS	S	MSS	MRMS	S	MSS	S	MRMS	S	MSS	
Hyperno(b)	RMR	MRMS	RMR	MS	MRMS	MSS	MS	RMR	MS		SVS	
Illabo(b)	MR	MRMS	S	MSS	MS	RMR	MSS	MSS	MRMS	S	S	
Ironbark(b)	MS	MR	MRMS	S	MSS	S	S	MR (P)	MS (P)	S (P)	MSS (P)	
Jillaroo(b)	MS	S	S	S	MS	SVS	S	MS (P)	MS	S	S	
Kingston(b)	S	MSS	S	S	MSS	S	S	MR	R	S	S	
Lancelin(b)	MRMS	MSS	MSS	SVS	MRMS	S	SVS	MS	MRMS	S	S	
Longford(b)	RMR	RMR	RMR	MRMS/S	MRMS	RMR	S	S	MS	MSS (P)	MSS	
Longsword(b)	MR	MRMS/MS	MSS	MS	MRMS	S	MRMS	MRMS	MRMS	S	MSS	
LRPB Anvil(b) CL Plus	MR	S	SVS	VS	MSS	SVS	MSS	S	MS	S	MSS	
LRPB Avenger(b)	MS	S	SVS	S	MS	SVS	MSS	MRMS	MRMS	S	S	
LRPB Bale(b)	MRMS	MRMS	MSS	MSS	SVS	MRMS	S	S	R	S	S	

Continued on next page

Table 18: Wheat disease guide for South Australia (continued).

Variety	Stem rust	Stripe rust (east coast resistance)	Leaf rust	*Septoria tritici* blotch	Yellow leaf spot	Powdery mildew	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus thornei*)	CCN	Eyespot	Crown rot	Black point*
LRPB Beaufort(Þ)	SVS	RMR	MSS	S	MRMS	R (P)	MS	MSS	MS		S	
LRPB Dual(Þ)	MRMS	MS	MSS	MSS	S	S	MSS	MSS	R	S	S	
LRPB Impala(Þ)	MR	MRMS	SVS	SVS	MSS	MR	SVS	S	MSS		MSS	
LRPB Kittyhawk(Þ)	MRMS	MR	MR	MRMS	MRMS	MS	S	S	S	S	SVS	
LRPB Major(Þ)	MRMS	MRMS	MR	MSS	MS	MSS	S	MSS	MRMS	S	MSS	
LRPB Matador(Þ)	MS	MS	MSS	S	MRMS	MSS	S	MS	MS (P)	S (P)	S	
LRPB Nighthawk(Þ)	RMR	MR	MS	MS	MS	SVS	MSS	MS	MS		MSS	
LRPB Optimus(Þ)	MR	MRMS	RMR	S	MSS	MSS	MSS	MS	MS	S	MSS	
LRPB Oryx(Þ)	MR	MRMS	RMR#	SVS	MSS	MR	MSS	MSS	S	S	MSS	
LRPB Raider(Þ)	RMR	MR	RMR	S	MSS	S	MSS	MS	S		S	
LRPB Scotch(Þ)	MSS	MRMS	MR#	S	MRMS	MR	MS	S	MS	S	S	
LRPB Scout(Þ)	MRMS	MS	MS	S	SVS	S	S	MSS	R		S	
LRPB Trojan(Þ)	MRMS	S	MR	S	MSS	S	MSS	MSS	MS	MS	MS	
Mace(Þ)	MRMS	SVS	S	SVS	MRMS	MSS	MS	MS	MRMS	S	S	
Mammoth(Þ)	MR	MSS	MRMS	MSS	MRMS	SVS	MSS	MRMS	MSS	MSS	S	
Manning(Þ)	MR	MR	MSS	MRMS/S	MRMS	MRMS	MSS	S	S	MS (P)	VS	
Mowhawk(Þ)	RMR (P)		MR (P)	MSS (P)	MRMS (P)	MR				MSS (P)		
Naparoo(Þ)	MRMS	MRMS	MS	S	MRMS	MR (P)	SVS	S			S	
Packer(Þ)	MR	MRMS	MR	MSS	MS	MSS	S	S	R (P)	S (P)	MS (P)	
Razor CL Plus(Þ)	MRMS	MRMS	S	SVS	MSS	MSS	S	MS	MR	S	S	
Reilly(Þ)	MRMS	MS	MSS	S	S	MSS	MS	MSS	R	S	S	
RGT Accroc(Þ)	MRMS	MRMS	S	MS	MRMS	MRMS	MS	MSS	S	MSS (P)	SVS	
RGT Calabro	MS	MRMS	MS	MRMS	MR	RMR	S	MS	S		SVS	
RGT Cesario(Þ)	RMR	MRMS	RMR	MRMS	MR	RMR	MRMS	MSS	MSS (P)		VS	
RGT Ponsford(Þ)	RMR	MS	MR	MSS	MS	MSS	MSS	S	MRMS	S	MSS	
RGT Waugh(Þ)	MS	MR	S	MRMS#	MRMS	RMR	MSS	MSS	MS		S	
RGT Zanzibar	VS	RMR	SVS	MSS	MS	RMR	S	MS (P)	MSS		S	
RockStar(Þ)	MRMS	S	S	S	MRMS	SVS	MRMS	MS	MSS	S	S	
Saintly	MS	MRMS	RMR	MRMS/S	MRMS	S (P)	MS	RMR	MS		VS (P)	
Scepter(Þ)	MRMS	S	MSS	S	MRMS	SVS	S	MSS	MRMS	S	MSS	
Severn(Þ)	MRMS	MR	MR	MSS	MRMS	RMR	S	MRMS	MSS (P)		S	
Sheriff CL Plus(Þ)	MS	SVS	SVS	S	MRMS	SVS	MRMS	MS	MS	S	S	
Shotgun(Þ)	MRMS	MSS	MSS	S (P)	MRMS	S	MS (P)	MRMS	R (P)	S (P)	MS (P)	
Soaker(Þ)	MRMS	S	MSS	S	MRMS	S	S	S	MRMS (P)	S (P)	MS (P)	
Stockade(Þ)	MS	MR	MR	MS	MRMS	SVS	S	MSS	MRMS	MSS (P)	S	
Sunblade CL Plus(Þ)	MS	MRMS	MSS	S	MSS	S	MSS	MRMS	MSS		S	
Sunflex(Þ)	MR	MRMS	RMR	SVS	MS	S	S	MSS	MS		MSS	
Sunmaster(Þ)	MS	MRMS	RMR	S	MSS	S	MRMS	MS	MSS		MSS	
Tomahawk CL Plus(Þ)	MR	S	S	S	MRMS	SVS	S	MS	MRMS	S	MSS	
Triple 2(Þ)	MR (P)	RMR (P)	MRMS	MR	MR (P)	MRMS	R (P)	MR	MS (P)		MRMS (P)	
Valiant(Þ) CL Plus	MRMS	S	S	MSS	MRMS	VS	S	S (P)	MSS (P)	MSS	MSS	
Vixen(Þ)	MRMS	SVS	SVS	S	MRMS	SVS	MRMS	MS	MSS	S	S	
Wallaroo(Þ)	RMR	RMR	RMR	MSS	MRMS	S	MS	MRMS	R	S	MSS	
Willaura(Þ)	MR	S	MRMS	S	MS	SVS	MSS	MRMS	MS	MSS (P)	S	
Yitpi	S	MS	MSS	S	SVS	MS	MSS	S	MR		S	
Zen(Þ)	S (MRMS)	S	S	S	MRMS	MSS	MRMS	S	S		S	

Continued on next page

Table 18: Wheat disease guide for South Australia (continued).

Variety	Stem rust	Stripe rust (east coast resistance)	Leaf rust	*Septoria tritici* blotch	Yellow leaf spot	Powdery mildew	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus thornei*)	CCN	Eyespot	Crown rot	Black point*
DURUM												
Bitalli[Φ]	RMR	MRMS	MR	MSS	MRMS	S	MSS	RMR	MSS		SVS	
Caparoi[Φ]	MR	MRMS	RMR	MRMS/S	MRMS	S	MS	MR	MRMS (P)		VS	
DBA Bindaroi[Φ]	MR	MRMS	RMR	MS	MS	S	MRMS	MR	MS		SVS	
DBA Lillaroi[Φ]	RMR	MRMS	RMR	S	MRMS	S	MRMS	RMR	S		SVS	
DBA Mataroi[Φ]	MRMS	MRMS	MR	MSS	MRMS	S	MS	RMR	MRMS		SVS	
DBA Vittaroi[Φ]	MR	MRMS	RMR	MSS	MRMS	MSS	MS	MR	S		SVS	
DBA-Aurora[Φ]	RMR	MR	RMR	MRMS/S	MRMS	MSS	MRMS	RMR	MSS		SVS	
Jandaroi[Φ]	MRMS (R)	MRMS	RMR	MSS	MRMS	S (P)	MS	MRMS	MS		VS	
Patron[Φ]	RMR	MRMS	RMR	MRMS	MRMS	S	MRMS	MR	S		SVS	
Westcourt[Φ]	RMR	MR	RMR	S	MRMS	MSS	MS	MR	MSS		VS	

* ratings will be updated when available. Learn more via the NVT Disease Ratings.
R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible,
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 19: An industry guide for wheat variety maturity description.

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

Source: Australian Crop Breeders Ltd

Wheat optimum time of sowing – an example for Central South Australia

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.

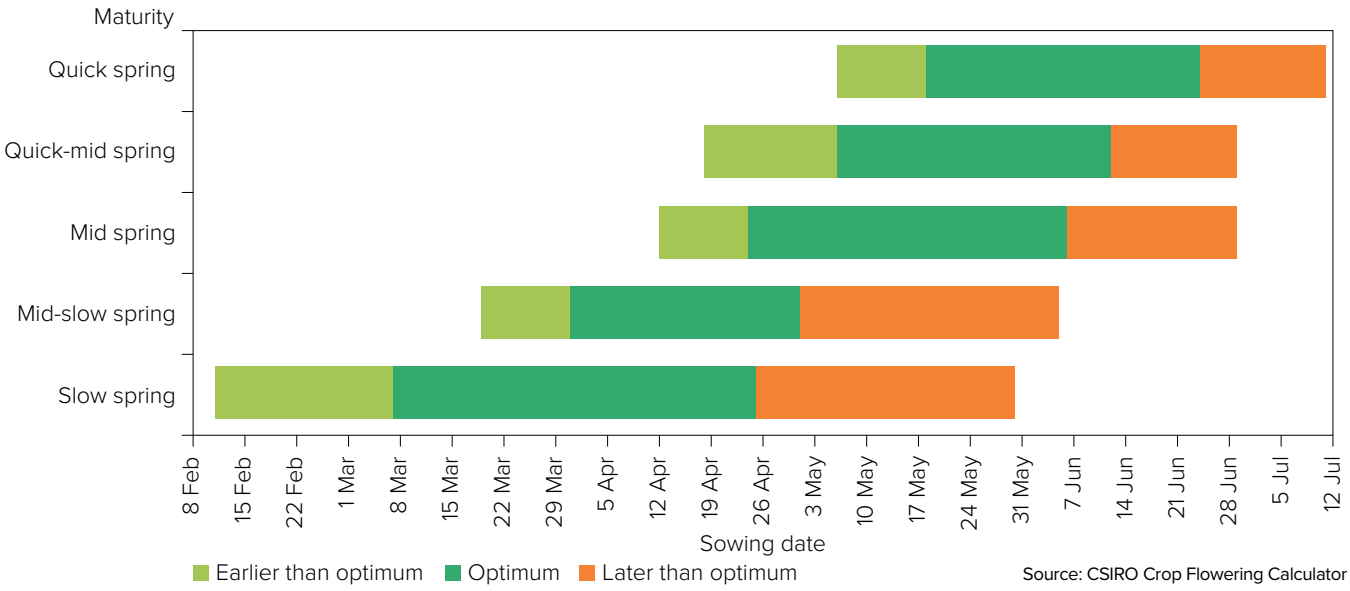
Growers and advisers are encouraged to use the Crop Flowering Calculator to compare the impact of specific variety selection and sowing date for the ideal flowering window at their own location. The Crop Flowering Calculator is a simple phenology (maturity) model that uses 60 years of local weather data 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 Hart as an example for Central South Australia.



Source: CSIRO Crop Flowering Calculator

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(Φ)	Australian Grain Technologies Pty Ltd	FEED	4.35	Bigfoot CL(Φ) is very similar to popular northern variety Yeti(Φ) 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(Φ) has a quick-mid spring maturity.
Granite(Φ) CL	InterGrain Pty Ltd	FEED	3.90	Granite(Φ) CL is a new Clearfield® feed barley for low to medium rainfall barley producing areas across Australia. Granite(Φ) CL provides a significant yield improvement over Rosalind(Φ) with the added benefit of herbicide tolerance. Granite(Φ) CL has a quick-mid spring maturity.
PegasusAX(Φ)	Australian Grain Technologies Pty Ltd	FEED	4.15	PegasusAX(Φ) carries CoAXium herbicide tolerance (Aggressor® AX herbicide) and is a derivative of Rosalind(Φ), with a similar plant type. It has similar grain size as some other high-yielding feed varieties and is feed quality only. PegasusAX(Φ) has a quick-mid spring maturity.
RGT Atlantis(Φ)	RAGT	Under malt evaluation	4.25	RGT Atlantis(Φ) is a new waterlogging-tolerant barley with high yield potential in the medium to high-rainfall zones. It is bred from RGT Planet(Φ) and has a similar maturity. It is the same plant structure and height as RGT Planet(Φ). RGT Atlantis(Φ) has a quick-mid spring maturity.
Spinnaker(Φ)	Secobra Recherches	Under malt evaluation	4.00	Spinnaker(Φ) has (Fathom(Φ) x RGT Planet(Φ)) x European malt breeding line heritage. It is two to three days earlier maturing than RGT Planet(Φ) with a May planting and has slightly shorter plant height than RGT Planet(Φ).

*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. 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 – Central South Australia

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: Brentwood main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.25	5.31	5.98	4.02	
Neo(ↀ) CL*				107	
Combat(ↀ)		117	107	105	
Cyclops(ↀ)	116	112	107	103	
Bigfoot CL(ↀ)*				106	
Minotaur(ↀ)	116	107	108	103	
Yeti(ↀ)	111	103	106	109	
Laperouse(ↀ)	115	104	104	103	
Rosalind(ↀ)	103	103	106	107	No trial
Leabrook(ↀ)	104	109	102	103	
Maximus(ↀ) CL*	106	101	103	108	
Beast(ↀ)	100	107	101	106	
Titan AX(ↀ)*			100	98	
Spinnaker(ↀ)		101	106	103	
Compass(ↀ)	97	105	98	102	
Commodus(ↀ) CL*	97	104	97	101	
Sowing date	**12 May**	**25 May**	**9 Jun**	**9 May**	
Rainfall J–M (mm)	**51**	**51**	**92**	**35**	
Rainfall A–O (mm)	**285**	**291**	**286**	**234**	

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

Table 2: Bute main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.31	4.14	4.30	3.89	
Neo(ↀ) CL*				109	
Bigfoot CL(ↀ)*				108	
Yeti(ↀ)	106	105	114	107	
Minotaur(ↀ)	108	102	111	105	
Laperouse(ↀ)	105	106	108	105	
Cyclops(ↀ)	106	106	106	106	
Combat(ↀ)		106	105	105	
Maximus(ↀ) CL*	105	102	109	104	No trial
Rosalind(ↀ)	106	99	111	103	
Beast(ↀ)	99	108	104	105	
Leabrook(ↀ)	99	109	103	105	
Spinnaker(ↀ)		96	109	101	
Titan AX(ↀ)*			96	104	
Compass(ↀ)	95	109	99	103	
Spartacus CL(ↀ)*	100	101	101	101	
Sowing date	**15 May**	**27 May**	**1 Jun**	**18 May**	
Rainfall J–M (mm)	**63**	**36**	**70**	**43**	
Rainfall A–O (mm)	**250**	**234**	**336**	**225**	

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

Table 3: Crystal Brook main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	4.47	4.49	6.74	5.29	1.24
Neo(ↀ) CL*				110	85
Combat(ↀ)		109	104	111	124
Bigfoot CL(ↀ)*				106	112
Granite(ↀ) CL*					115
Cyclops(ↀ)	110	111	100	106	119
Minotaur(ↀ)	111	107	106	104	103
Rosalind(ↀ)	105	102	108	104	106
Yeti(ↀ)	104	107	102	104	116
Spinnaker(ↀ)		98	112	104	86
Leabrook(ↀ)	100	107	96	107	121
Laperouse(ↀ)	105	107	98	101	111
Beast(ↀ)	98	107	95	106	128
Maximus(ↀ) CL*	102	105	100	100	118
RGT Planet(ↀ)	104	95	111	101	78
Fandaga(ↀ)		97	106	104	91
Sowing date	**8 May**	**1 Jun**	**8 Jun**	**12 May**	**6 Jun**
Rainfall J–M (mm)	**89**	**27**	**47**	**24**	**34**
Rainfall A–O (mm)	**335**	**221**	**302**	**237**	**138**

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

Table 4: Maitland main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	5.77	6.30	6.25	5.51	4.58
Neo(ↀ) CL*				114	99
Combat(ↀ)		113	110	109	112
Minotaur(ↀ)	109	108	108	108	105
Spinnaker(ↀ)		105	116	105	94
RGT Planet(ↀ)	117	105	117	102	90
Cyclops(ↀ)	103	109	101	109	113
Fandaga(ↀ)		105	114	99	95
Zena(ↀ) CL*		103	114	101	90
Rosalind(ↀ)	104	104	104	110	103
Granite(ↀ) CL*					109
Bigfoot CL(ↀ)*				107	109
PegasusAX(ↀ)*					99
RGT Atlantis(ↀ)				98	85
Laperouse(ↀ)	96	101	94	104	108
Bottler(ↀ)	110	98	108	93	88
Sowing date	**11 May**	**14 May**	**19 May**	**12 May**	**6 Jun**
Rainfall J–M (mm)	**47**	**71**	**97**	**58**	**23**
Rainfall A–O (mm)	**344**	**219**	**417**	**278**	**198**

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

Table 5: Minlaton main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					3.74
Neo(b) CL*	No trial	No trial	No trial	No trial	126
Granite(b) CL*					119
Yeti(b)					117
Bigfoot CL(b)*					117
Maximus(b) CL*					111
Laperouse(b)					110
Minotaur(b)					110
Rosalind(b)					110
Beast(b)					108
Leabrook(b)					107
Cyclops(b)					107
Spinnaker(b)					106
Combat(b)					106
PegasusAX(b)*					105
Compass(b)					104
Sowing date					**30 May**
Rainfall J–M (mm)					**28**
Rainfall A–O (mm)					**145**

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

Table 6: Paskeville main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					4.59
Combat(b)	No trial	No trial	No trial	No trial	112
Cyclops(b)					107
Leabrook(b)					106
Titan AX(b)*					106
Beast(b)					106
Compass(b)					104
Neo(b) CL*					104
Fathom(b)					104
Fandaga(b)					103
Minotaur(b)					103
Granite(b) CL*					103
Bigfoot CL(b)*					103
Commodus(b) CL*					103
Rosalind(b)					103
Buff(b)					103
Sowing date					**3 Jun**
Rainfall J–M (mm)					**21**
Rainfall A–O (mm)					**152**

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

Table 7: Pinery main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					2.56
Combat(b)	No trial	No trial	No trial	No trial	116
Leabrook(b)					115
Compass(b)					115
Titan AX(b)*					115
Beast(b)					115
Commodus(b) CL*					112
Cyclops(b)					109
Fathom(b)					109
Yeti(b)					107
Bigfoot CL(b)*					107
Granite(b) CL*					106
Buff(b)					106
Laperouse(b)					104
La Trobe(b)					104
Minotaur(b)					103
Sowing date					**30 May**
Rainfall J–M (mm)					**13**
Rainfall A–O (mm)					**184**

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

Table 8: Port Clinton main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.42	3.72	6.26	3.46	
Combat(b)		117	109	116	No trial
Neo(b) CL*				113	
Leabrook(b)	108	120	101	112	
Titan AX(b)*			98	108	
Cyclops(b)	113	115	100	106	
Minotaur(b)	110	107	104	105	
Bigfoot CL(b)*				107	
Fandaga(b)		99	111	106	
Beast(b)	104	115	97	110	
Compass(b)	102	117	97	109	
Spinnaker(b)		95	111	105	
Commodus(b) CL*	101	114	96	106	
Rosalind(b)	101	99	104	106	
Yeti(b)	103	108	97	105	
RGT Planet(b)	99	90	111	102	
Sowing date	**15 May**	**25 May**	**2 Jun**	**8 May**	
Rainfall J–M (mm)	**9**	**42**	**115**	**53**	
Rainfall A–O (mm)	**273**	**217**	**291**	**170**	

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

Table 9: Salter Springs main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	5.31		6.39	6.16	1.13
Neo(Ꝺ) CL*		Compromised trial		113	83
Combat(Ꝺ)			111	110	144
Spinnaker(Ꝺ)			122	108	90
RGT Planet(Ꝺ)	109		125	108	72
Fandaga(Ꝺ)			121	109	78
Zena(Ꝺ) CL*			122	106	77
Rosalind(Ꝺ)	104		107	103	143
RGT Atlantis(Ꝺ)				104	51
Minotaur(Ꝺ)	105		104	104	110
PegasusAX(Ꝺ)*					128
Cyclops(Ꝺ)	104		95	102	133
Granite(Ꝺ) CL*					156
Bigfoot CL(Ꝺ)*				101	119
Leabrook(Ꝺ)	98		94	102	105
Alestar(Ꝺ)	98		105	98	60
Sowing date	**16 May**	**21 May**	**14 Jun**	**6 Jun**	**4 Jun**
Rainfall J–M (mm)	**44**	**42**	**75**	**51**	**12**
Rainfall A–O (mm)	**370**	**346**	**446**	**275**	**216**

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

Table 10: Spalding main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	5.65	4.68	9.10	5.92	3.63
Neo(Ꝺ) CL*				109	99
Combat(Ꝺ)		116	105	110	113
Spinnaker(Ꝺ)		102	113	102	98
RGT Planet(Ꝺ)	117	100	112	98	96
Minotaur(Ꝺ)	105	109	107	106	102
Fandaga(Ꝺ)		102	109	99	103
Bigfoot CL(Ꝺ)*				108	104
Zena(Ꝺ) CL*		98	110	98	95
Cyclops(Ꝺ)	99	113	99	108	107
Leabrook(Ꝺ)	94	105	105	106	112
Rosalind(Ꝺ)	102	105	103	105	101
Granite(Ꝺ) CL*					102
RGT Atlantis(Ꝺ)				95	90
Titan AX(Ꝺ)*			101	104	112
Yeti(Ꝺ)	91	104	101	107	103
Sowing date	**16 May**	**31 May**	**2 Jun**	**11 May**	**5 Jun**
Rainfall J–M (mm)	**67**	**31**	**52**	**38**	**33**
Rainfall A–O (mm)	**425**	**318**	**396**	**239**	**169**

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

Table 11: Turretfield main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	5.48	6.87	7.51	3.32	
Neo(Ꝺ) CL*				108	
Combat(Ꝺ)		106	109	108	
Minotaur(Ꝺ)	109	107	107	103	
Spinnaker(Ꝺ)		107	109	100	
RGT Planet(Ꝺ)	106	106	110	96	
Fandaga(Ꝺ)		104	109	101	
Cyclops(Ꝺ)	109	105	104	105	
Bigfoot CL(Ꝺ)*				108	No trial
Zena(Ꝺ) CL*		104	107	96	
Leabrook(Ꝺ)	99	102	101	114	
Titan AX(Ꝺ)*			101	112	
RGT Atlantis(Ꝺ)				95	
Rosalind(Ꝺ)	104	102	102	100	
Laperouse(Ꝺ)	101	102	98	104	
Yeti(Ꝺ)	99	101	96	106	
Sowing date	**15 May**	**26 May**	**23 May**	**20 Jun**	
Rainfall J–M (mm)	**32**	**43**	**82**	**9**	
Rainfall A–O (mm)	**285**	**298**	**370**	**224**	

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

Table 12: Wokurna main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					4.07
Leabrook(Ꝺ)					112
Compass(Ꝺ)					111
Yeti(Ꝺ)					111
Beast(Ꝺ)					111
Bigfoot CL(Ꝺ)*					111
Titan AX(Ꝺ)*					110
Laperouse(Ꝺ)					109
Granite(Ꝺ) CL*	No trial	No trial	No trial	No trial	109
Commodus(Ꝺ) CL*					109
Maximus(Ꝺ) CL*					107
Cyclops(Ꝺ)					107
Neo(Ꝺ) CL*					106
Combat(Ꝺ)					106
Minotaur(Ꝺ)					104
Fathom(Ꝺ)					103
Sowing date					**4 Jun**
Rainfall J–M (mm)					**21**
Rainfall A–O (mm)					**189**

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

Barley variety quality – Central South Australia

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 Central South Australia 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 Central SA in 2023.

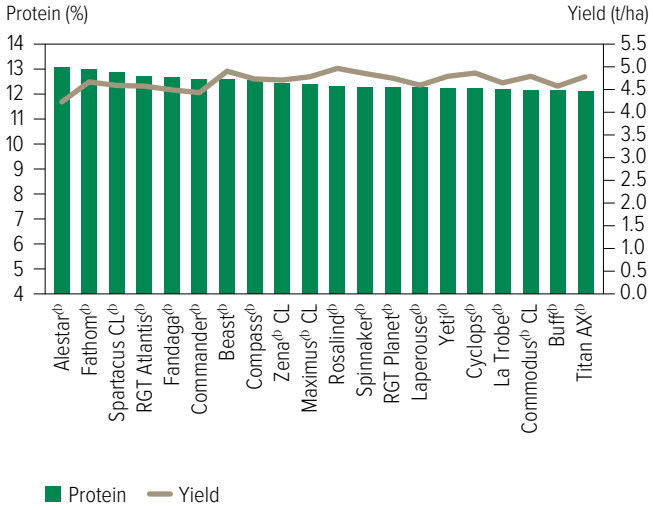
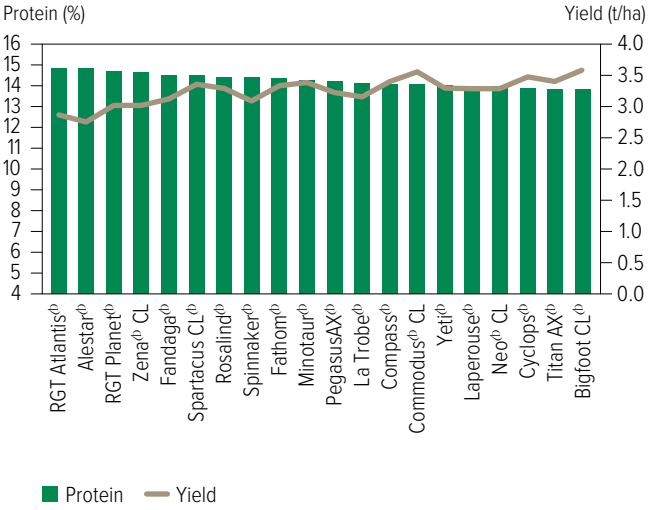


Figure 2: Protein (%) and yield (t/ha) comparisons for main season barley varieties from eight NVT sites in Central SA in 2024.



Test weight comparisons

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

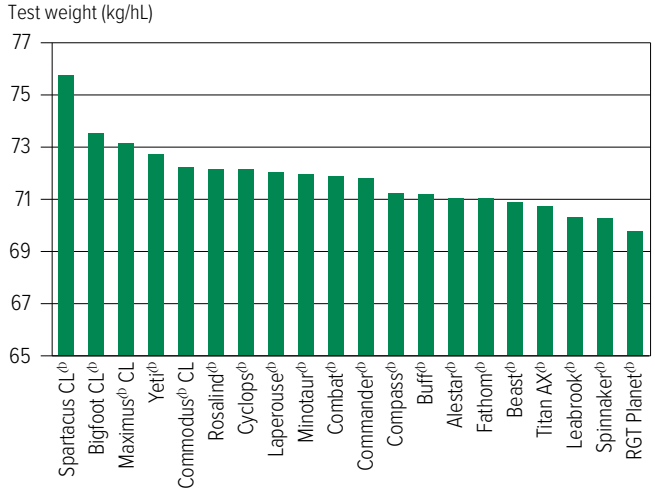
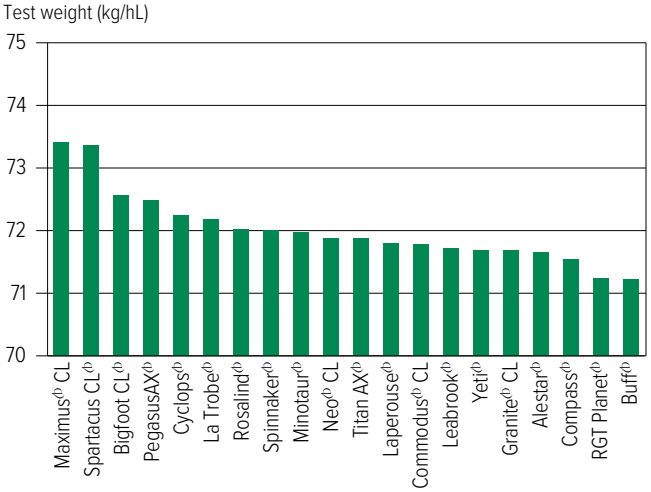


Figure 4: Test weight (kg/hL) comparisons for main season barley varieties from eight NVT sites in Central SA in 2024.



Screenings comparisons

Figure 5: Screenings (<2.2mm) comparisons for main season barley varieties from eight NVT sites in Central SA in 2023.

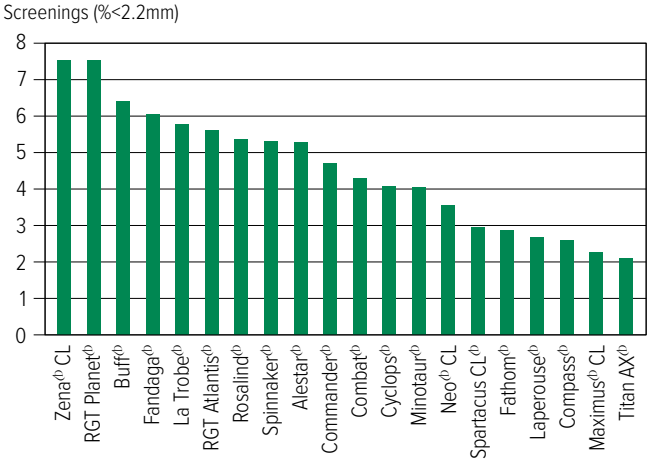
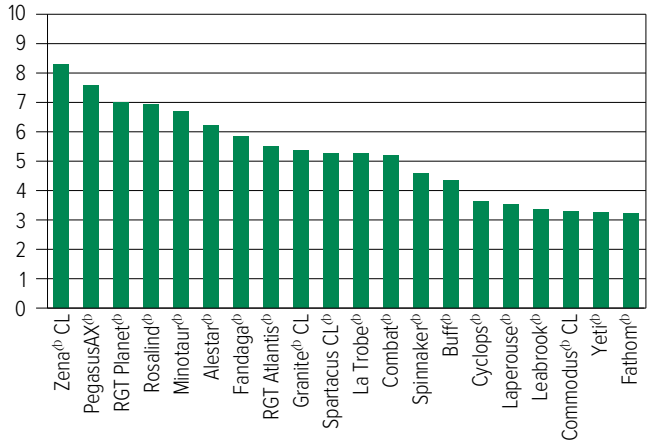


Figure 6: Screenings (<2.2mm) comparisons for main season barley varieties from eight NVT sites in Central SA in 2024.



Retention comparisons

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

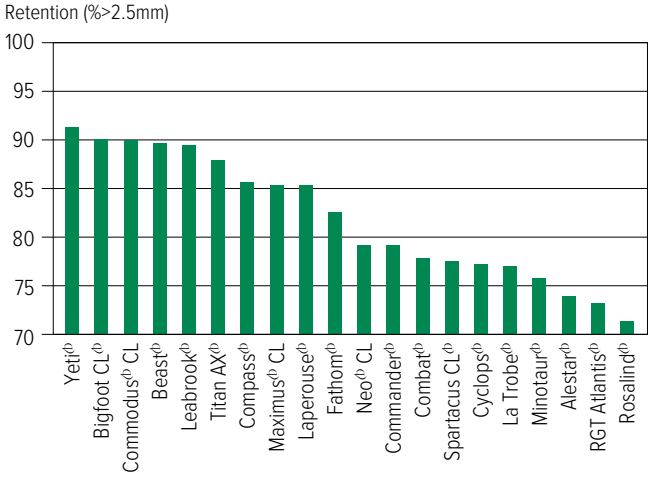
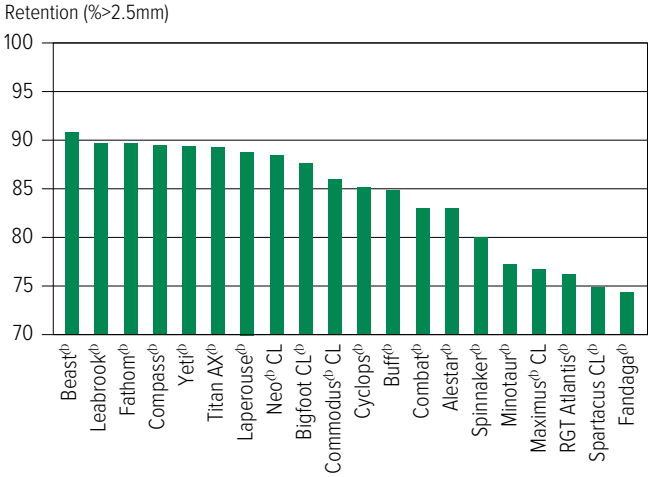


Figure 8: Retention (>2.5mm) comparisons for main season barley varieties from eight NVT sites in Central SA in 2024.



Barley variety disease ratings – South Australia

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

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

Table 13: Barley disease guide for South Australia.

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

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 – Central South Australia

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: Crystal Brook oat.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.46	3.36	6.22	3.82	
Goldieᵈ		111	113	107	Trial failed
Koalaᵈ	109	111	120	100	
Bannisterᵈ	114	110	115	103	
Minnieᵈ			106	104	
Williamsᵈ	100	103	105	99	
Archerᵈ*				98	
Bilbyᵈ	101	97	94	102	
Yallaraᵈ	97	101	96	98	
Kowariᵈ	95	95	94	100	
Wallabyᵈ				91	
Sowing date	**8 May**	**1 Jun**	**8 Jun**	**12 May**	**6 Jun**
Rainfall J–M (mm)	**89**	**27**	**47**	**24**	**34**
Rainfall A–O (mm)	**335**	**221**	**302**	**237**	**138**

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

Table 2: Paskeville oat.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	0.82	1.69		2.44	
Goldieᵈ		116	Compromised trial	122	No trial
Archerᵈ*				132	
Bilbyᵈ	110	114		114	
Bannisterᵈ	107	95		112	
Minnieᵈ				102	
Williamsᵈ	105	91		113	
Kowariᵈ	100	104		96	
Koalaᵈ	104	78		107	
Kultarrᵈ				94	
Mitikaᵈ	94	99		88	
Sowing date	**7 May**	**12 May**	**14 Jun**	**17 May**	
Rainfall J–M (mm)	**39**	**33**	**113**	**47**	
Rainfall A–O (mm)	**268**	**229**	**285**	**201**	

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

Oat variety disease ratings – South Australia

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

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

Table 3: Oat disease guide for South Australia.

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

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 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, ⁽ᴾ⁾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 – Central South Australia

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: Arthurton med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		2.91	3.44	2.62	
Pioneer® PY428R	No trial			103	No trial
InVigor® LR 4540P			104	104	
InVigor® LR 5040P			108	101	
Nuseed® Hunter TF		112	103	105	
InVigor® R 4520P		109	106	102	
Pioneer® 44Y30 RR		107	104	103	
Pioneer® 45Y28 RR		103	106	102	
Pioneer® 44Y27 RR		107	99	104	
Pioneer® PY424GC				102	
Nuseed® Raptor TF		103	100	103	
Sowing date		**25 May**	**26 May**	**6 May**	
Rainfall J–M (mm)		**96**	**130**	**58**	
Rainfall A–O (mm)		**219**	**321**	**241**	

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

Table 2: Riverton med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		3.24	3.92	3.09	2.21
Pioneer® PY428R	No trial			108	112
Hyola® Regiment XC		110	101	109	111
Nuseed® Hunter TF			103	111	110
Nuseed® Eagle TF			105	104	107
InVigor® LR 4540P			103	109	108
InVigor® R 4520P		102	104	106	107
Nuseed® Raptor TF		106	101	105	106
InVigor® LR 5040P			105	104	105
Pioneer® PY323G				105	103
DG Buller G					102
Sowing date		**27 May**	**30 May**	**4 May**	**3 Jun**
Rainfall J–M (mm)		**44**	**46**	**42**	**6**
Rainfall A–O (mm)		**378**	**449**	**295**	**250**

Special thanks to 2024 trial cooperator, Indoota Farm Trust.
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: Urania med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					2.28
Nuseed® Hunter TF	No trial	No trial	No trial	No trial	115
InVigor® LR 4540P					115
Nuseed® Emu TF					111
Pioneer® 44Y27 RR					110
InVigor® LR 5040P					108
InVigor® R 4520P					108
Nuseed® Raptor TF					106
Pioneer® PY424GC					106
Hyola® Regiment XC					105
DG Buller G					104
Sowing date					**30 May**
Rainfall J–M (mm)					**21**
Rainfall A–O (mm)					**192**

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: Arthurton med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.12	2.75	3.48	2.00	
Pioneer® PY421C				109	No trial
Pioneer® 44Y94 CL	123	113	114	108	
Pioneer® PY327C				107	
Pioneer® 45Y95 CL		110	114	108	
Pioneer® 45Y93 CL	94	101	114	102	
Hyola® Continuum CL			107	104	
Pioneer® 43Y92 CL	110			104	
Hyola® Solstice CL		107	99	104	
Nuseed® Ceres IMI		107	92	101	
VICTORY® V75-03CL	84			98	
Sowing date	**28 Apr**	**25 May**	**26 May**	**6 May**	
Rainfall J–M (mm)	**63**	**96**	**130**	**58**	
Rainfall A–O (mm)	**313**	**219**	**321**	**241**	

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

Table 5: Riverton med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.83	3.16	3.65	2.50	2.04
Pioneer® PY421C			114	117	120
Pioneer® 45Y95 CL		115	113	114	119
Pioneer® 44Y94 CL	110	111	112	113	116
Hyola® Solstice CL		113	102	115	115
Pioneer® PY327C				112	111
Pioneer® 45Y93 CL	105	106	111	101	
Nuseed® Ceres IMI		103	95	110	106
Pioneer® 43Y92 CL	101	104	102	106	105
Hyola® Continuum CL			105	103	103
VICTORY® V75-03CL	86			94	92
Sowing date	**28 Apr**	**27 May**	**30 May**	**4 May**	**3 Jun**
Rainfall J–M (mm)	**42**	**44**	**46**	**42**	**6**
Rainfall A–O (mm)	**388**	**378**	**449**	**295**	**250**

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

Table 6: Spalding med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		3.03	3.51	2.08	2.05
Pioneer® PY421C	Compromised trial		112	114	113
Pioneer® 45Y95 CL		113	110	111	109
Pioneer® 44Y94 CL		111	109	111	110
Pioneer® PY327C				110	110
Hyola® Solstice CL		105	105	112	110
Pioneer® 45Y93 CL		107	106	101	
Hyola® Continuum CL			103	102	102
Pioneer® 43Y92 CL		104	102	104	104
Nuseed® Ceres IMI			100	108	108
VICTORY® V75-03CL		99		95	95
Sowing date	**27 Apr**	**28 May**	**30 May**	**22 May**	**2 Jun**
Rainfall J–M (mm)	**78**	**31**	**46**	**38**	**60**
Rainfall A–O (mm)	**383**	**325**	**405**	**239**	**161**

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

Table 7: Urania med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					2.11
Pioneer® PY421C	No trial	No trial	No trial	No trial	122
Pioneer® 44Y94 CL					118
Pioneer® 45Y95 CL					116
Hyola® Solstice CL					111
Pioneer® 43Y92 CL					108
Hyola® Continuum CL					108
Nuseed® Ceres IMI					107
Sowing date					**30 May**
Rainfall J–M (mm)					**21**
Rainfall A–O (mm)					**192**

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

Table 8: Wasleys med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.41	2.31	3.21	3.09	1.82
Pioneer® PY421C			120	113	117
Pioneer® 44Y94 CL	115	113	116	109	113
Pioneer® 45Y95 CL		120	112	107	115
Pioneer® 45Y93 CL	104	117	116	101	
Pioneer® PY327C				109	110
Hyola® Continuum CL			109	102	103
Pioneer® 43Y92 CL	104	102	102	103	104
Hyola® Solstice CL		107	89	106	112
Nuseed® Ceres IMI			88	107	106
VICTORY® V75-03CL	89	96		94	93
Sowing date	**25 Apr**	**27 May**	**6 May**	**2 May**	**4 Jun**
Rainfall J–M (mm)	**46**	**35**	**82**	**9**	**25**
Rainfall A–O (mm)	**360**	**297**	**370**	**224**	**150**

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

Table 9: Arthurton med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.24	2.32	3.24	2.13	
Pioneer® PY429T				107	No trial
Hyola® Blazer TT	108	109	113	106	
HyTTec® Trophy	117	112	107	106	
HyTTec® Trifecta	110	110	111	106	
HyTTec® Trident	122	115	100	109	
SF Dynatron TT®	112	109	109	105	
Pioneer® PY520TC		107		105	
Hyola® Defender CT			112	104	
InVigor® T 4510	114	108	102	104	
InVigor® T 4511		107	103	103	
Sowing date	**28 Apr**	**25 May**	**26 May**	**6 May**	
Rainfall J–M (mm)	**63**	**96**	**130**	**58**	
Rainfall A–O (mm)	**313**	**219**	**321**	**241**	

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

Table 10: Riverton med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.77	2.96	3.58	2.16	1.61
HyTTec® Trifecta	108	116	111	116	123
Hyola® Blazer TT	106	112	111	111	117
HyTTec® Trophy	106	111	107	115	117
Pioneer® PY429T				112	116
HyTTec® Trident	98	113	102	120	118
Pioneer® PY520TC		110	109	109	114
SF Dynatron TT®	104	106	106	108	109
HyTTec® Velocity			99	114	111
InVigor® T 4511		106	103	109	110
RGT Baseline® TT		106	109	100	107
Sowing date	**28 Apr**	**27 May**	**30 May**	**4 May**	**3 Jun**
Rainfall J–M (mm)	**42**	**44**	**46**	**42**	**6**
Rainfall A–O (mm)	**388**	**378**	**449**	**295**	**250**

Special thanks to 2024 trial cooperator, Indoota Farm Trust.
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 11: Spalding med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		2.61	3.23	1.76	1.34
HyTTec® Trident	Compromised trial	113	105	116	118
HyTTec® Trifecta		112	109	113	114
Pioneer® PY429T				110	112
HyTTec® Trophy		110	107	112	114
Hyola® Blazer TT		112	108	109	110
Pioneer® PY520TC			107	107	108
SF Dynatron TT®		108	105	106	108
HyTTec® Velocity			103	112	116
InVigor® T 4511		104	104	108	110
Hyola® Defender CT			105	101	101
Sowing date	**27 Apr**	**28 May**	**30 May**	**22 May**	**2 Jun**
Rainfall J–M (mm)	**78**	**31**	**46**	**38**	**60**
Rainfall A–O (mm)	**383**	**325**	**405**	**239**	**161**

Special thanks to 2024 trial cooperator, Andrew Cootes.
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 12: Urania med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					
	No trial	No trial	No trial	No trial	Compromised trial
Sowing date					**30 May**
Rainfall J–M (mm)					**21**
Rainfall A–O (mm)					**192**

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.

Table 13: Wasleys med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.46	2.19	2.99	2.50	1.40
Pioneer® PY429T				109	114
Hyola® Blazer TT	108	117	113	106	114
HyTTec® Trifecta	109	118	105	108	119
Pioneer® PY520TC		115	110	105	112
HyTTec® Trophy	110	108	105	109	115
Hyola® Defender CT			116	102	105
SF Dynatron TT®	108	106	112	106	108
RGT Baseline® TT		116	110	99	105
Nuseed® Griffon TTI				107	105
HyTTec® Trident	107	103	94	110	116
Sowing date	**25 Apr**	**27 May**	**6 May**	**2 May**	**4 Jun**
Rainfall J–M (mm)	**46**	**35**	**82**	**9**	**25**
Rainfall A–O (mm)	**360**	**297**	**370**	**224**	**150**

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

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 14: 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 14: 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.
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.

CHICKPEA

Chickpea variety yield performance – Central South Australia

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: Kulpara desi chickpea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		0.58	2.46		
PBA Slasher(ф)	Compromised trial	96	104	Compromised trial	No trial
Neelam(ф)		84	106		
PBA Maiden		84	105		
PBA Striker(ф)		90	103		
PBA Seamer(ф)			94		
CBA Captain(ф)		107	93		
Sowing date	**24 May**	**2 Jun**	**8 Jun**	**23 May**	
Rainfall J–M (mm)	**39**	**33**	**96**	**53**	
Rainfall A–O (mm)	**268**	**229**	**290**	**197**	

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

Table 2: Kulpara kabuli chickpea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		0.51	2.49		
PBA Monarch(ф)	Compromised trial	93	105	Compromised trial	No trial
Genesis® 090		112	99		
PBA Royal(ф)		101	99		
Genesis® Kalkee		81	103		
Almaz(ф)		90	99		
PBA Magnus(ф)		98	92		
Sowing date	**24 May**	**2 Jun**	**8 Jun**	**23 May**	
Rainfall J–M (mm)	**39**	**33**	**96**	**53**	
Rainfall A–O (mm)	**268**	**229**	**290**	**197**	

No 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

Chickpea variety disease ratings – South Australia

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

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

Table 3: Chickpea disease guide for South Australia.

Variety	Ascochyta blight (pathogen group 1 – south)	2022-23 Phytophthora root rot	RLN resistance (*Pratylenchus neglectus*)*	RLN resistance (*Pratylenchus thornei*)*
DESI				
CBA Captain(P)	S	S		
Genesis® 836	S			
Kyabra(P)	VS	VS		
Neelam(P)	S			
PBA Boundary(P)	S	VS		
PBA Drummond(P)	VS	VS		
PBA HatTrick(P)	S	S		
PBA Maiden	S			
PBA Pistol(P)	S			
PBA Seamer(P)	S	S		
PBA Slasher(P)	S			
PBA Striker(P)	S			
KABULI				
Almaz(P)	S			
Genesis® 090	MS			
Genesis® Kalkee	S			
PBA Magnus(P)	S			
PBA Monarch(P)	S			
PBA Royal(P)	MS			

* ratings will be updated when available.
Learn more via the NVT Disease Ratings.
R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible, T = tolerant, MT = moderately tolerant, MI = moderately intolerant, I = intolerant, VI = very intolerant, (P) = provisional rating, - hyphen indicates a range, / indicates pathotype differences, # warning, may be more susceptible to alternate pathotypes, ^ line contains a few susceptible off types, ( ) show outlier.

FABA BEAN

Faba bean variety yield performance – Central South Australia

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: Laura faba bean.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	4.99	3.09	7.10	1.96	
PBA Amberley(ɒ)	107	100	98	97	
PBA Samira(ɒ)	107	98	98	100	
PBA Zahra(ɒ)	104	98	96	101	
PBA Rana		91	87	87	
Fiesta VF	101	95	93	101	No trial
PBA Bendoc(ɒ)*	100	100	93	93	
Farah	103	94	91	101	
Nura	105	98	89	90	
PBA Marne(ɒ)	87	97	96	107	
Sowing date	**21 May**	**28 May**	**25 May**	**31 May**	
Rainfall J–M (mm)	**102**	**36**	**46**	**28**	
Rainfall A–O (mm)	**413**	**282**	**388**	**179**	

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

Table 2: Maitland faba bean.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	5.25	5.02	4.80	3.08	
PBA Zahra(ɒ)	105	104	95	97	
PBA Samira(ɒ)	105	104	96	95	
PBA Amberley(ɒ)	105	104	97	93	
PBA Marne(ɒ)	94	97	99	112	
PBA Bendoc(ɒ)*	99	100	95	98	No trial
Farah	99	100	91	99	
Fiesta VF	97	98	93	100	
Nura	99	99	91	94	
PBA Rana		94	82	82	
Sowing date	**13 May**	**14 May**	**2 Jun**	**13 May**	
Rainfall J–M (mm)	**47**	**71**	**97**	**69**	
Rainfall A–O (mm)	**344**	**219**	**417**	**280**	

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

Table 3: Minlaton faba bean.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					2.59
PBA Marne(b)	No trial	No trial	No trial	No trial	103
PBA Samira(b)					98
PBA Zahra(b)					98
PBA Amberley(b)					97
Fiesta VF					97
Farah					96
PBA Bendoc(b)*					95
Nura					92
PBA Rana					86
Sowing date					**30 May**
Rainfall J–M (mm)					**28**
Rainfall A–O (mm)					**145**

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

Table 4: Spalding faba bean.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					1.23
PBA Amberley(b)	No trial	No trial	No trial	No trial	100
PBA Zahra(b)					99
PBA Samira(b)					98
PBA Bendoc(b)*					98
PBA Marne(b)					98
Nura					95
Fiesta VF					94
Farah					94
PBA Rana					85
Sowing date					**30 May**
Rainfall J–M (mm)					**60**
Rainfall A–O (mm)					**161**

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

Table 5: Tarlee faba bean.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	4.33	5.61	6.80	4.09	2.38
PBA Samira(b)	107	98	103	94	103
PBA Marne(b)	87	102	103	106	97
PBA Zahra(b)	99	99	103	95	101
PBA Amberley(b)	101	98	99	94	100
Fiesta VF	98	95	99	98	96
Farah	97	95	100	95	96
PBA Rana		80	88	85	91
PBA Bendoc(b)*	84	96	91	97	91
Nura	86	92	89	94	88
Sowing date	**26 May**	**19 May**	**27 May**	**4 May**	**6 Jun**
Rainfall J–M (mm)	**34**	**43**	**59**	**47**	**27**
Rainfall A–O (mm)	**355**	**410**	**484**	**282**	**233**

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

Faba bean variety disease ratings – South Australia

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

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

Table 6: Faba bean disease guide for South Australia.

Variety	Ascochyta blight	Cercospora leaf spot	Chocolate spot (Botrytis)	RLN resistance (*Pratylenchus thornei*)	Leaf rust

TO BE UPDATED

Learn more via the NVT Disease Ratings.
R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible, (P) = provisional rating.

FIELD PEA

Field pea variety yield performance – Central South Australia

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: Laura field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.15	2.23	4.94	1.68	
PBA Pearl	101	115	117	108	
PBA Butler[Ф]		110	113	103	
APB Bondi[Ф]	107	105	110	114	
PBA Taylor[Ф]	106	99	104	108	
PBA Noosa[Ф]	103	103	105	105	No trial
PBA Percy	98	107	104	90	
Kaspa	105	99	100	99	
PBA Gunyah[Ф]		101	100	97	
PBA Oura[Ф]	96	101	99	98	
PBA Wharton[Ф]	99	94	94	104	
Sowing date	**21 May**	**28 May**	**25 May**	**31 May**	
Rainfall J–M (mm)	**102**	**36**	**46**	**28**	
Rainfall A–O (mm)	**413**	**282**	**388**	**179**	

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

Table 2: Minlaton field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		4.23	3.59	2.31	
APB Bondi[Ф]		123	120	115	
PBA Pearl		110	116	108	
PBA Butler[Ф]		114	111	107	
PBA Taylor[Ф]		112	109	108	
PBA Noosa[Ф]		106	106	104	No trial
PBA Wharton[Ф]	Compromised trial	102	101	102	
Kaspa		103	99	101	
PBA Gunyah[Ф]		96	96	97	
PBA Oura[Ф]		92	96	96	
PBA Percy		83	88	89	
Sowing date	**21 May**	**1 Jun**	**10 Jun**	**10 May**	
Rainfall J–M (mm)	**45**	**51**	**92**	**35**	
Rainfall A–O (mm)	**410**	**308**	**286**	**234**	

No 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

Table 3: Riverton field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.08	4.39	3.65	3.51	2.29
APB Bondi(Ф)	123	110	119	114	107
PBA Butler(Ф)		107	120	106	105
PBA Taylor(Ф)	115	105	109	108	108
PBA Pearl	109	106	123	100	97
PBA Noosa(Ф)	108	103	108	102	104
Kaspa	107	101	102	102	105
PBA Wharton(Ф)	99	100	94	104	101
PBA Gunyah(Ф)		99	99	96	101
PBA Oura(Ф)	91	97	97	94	96
PBA Percy	88	95	101	84	96
Sowing date	**27 May**	**2 Jun**	**27 May**	**24 May**	**7 Jun**
Rainfall J–M (mm)	**42**	**45**	**59**	**39**	**6**
Rainfall A–O (mm)	**401**	**354**	**484**	**233**	**250**

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

Table 4: Willamulka field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.34	2.27	2.16	2.06	1.47
APB Bondi(Ф)	111	106	108	112	106
PBA Taylor(Ф)	110	109	105	109	107
PBA Butler(Ф)		111	108	106	99
PBA Noosa(Ф)	104	104	104	105	104
Kaspa	107	108	101	102	100
PBA Pearl	97	98	109	106	103
PBA Gunyah(Ф)		102	100	99	100
PBA Wharton(Ф)	101	98	98	101	103
PBA Percy	91	100	101	95	97
PBA Oura(Ф)	93	95	99	97	100
Sowing date	**21 May**	**27 May**	**8 Jun**	**22 May**	**5 Jun**
Rainfall J–M (mm)	**32**	**36**	**135**	**52**	**20**
Rainfall A–O (mm)	**273**	**234**	**238**	**216**	**155**

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

Field pea variety disease ratings – South Australia

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

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

Table 5: Field pea disease guide for South Australia.

Variety	Bacterial blight	Downy mildew	Powdery mildew	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus thornei*)

TO BE UPDATED

Learn more via the NVT Disease Ratings.
R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible, (P) = provisional rating, ( ) show outlier.

LENTIL

Lentil variety yield performance – Central South Australia

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.

From 2024, selected trials may be managed as imidazolinone (IMI) tolerant and will not include conventional varieties.

Table 1: Crystal Brook lentil.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					
	No trial	No trial	No trial	No trial	Compromised trial
Sowing date					**6 Jun**
Rainfall J–M (mm)					**34**
Rainfall A–O (mm)					**138**

Special thanks to 2024 trial cooperator.

Table 2: Laura lentil.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.55		3.47	1.35	
GIA Thunder(ɒ)*	132	Trial failed	149	108	No trial
ALB Terrier(ɒ)*			142	104	
PBA Jumbo2(ɒ)	116		134	102	
GIA Leader(ɒ)*	109		111	97	
PBA Hallmark XT(ɒ)*	100		114	96	
GIA Lightning(ɒ)*	112		97	110	
PBA Hurricane XT(ɒ)*	103		103	99	
PBA KelpieXT(ɒ)*	95		106	98	
PBA HighlandXT(ɒ)*	95		98	101	
Nipper(ɒ)	77		93	84	
Sowing date	**21 May**	**28 May**	**25 May**	**31 May**	
Rainfall J–M (mm)	**102**	**36**	**46**	**28**	
Rainfall A–O (mm)	**413**	**282**	**388**	**179**	

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

Table 3: Maitland lentil.

Year	2020	2021	2022	2023	2024[1]
Mean yield (t/ha)		3.55	2.29	2.34	
GIA Thunder(ɗ)*	Compromised trial	107	133	109	Compromised trial
PBA Jumbo2(ɗ)		100	125	106	
ALB Terrier(ɗ)*		100	125	100	
GIA Lightning(ɗ)*		110	99	104	
PBA KelpieXT(ɗ)*		95	112	108	
PBA HighlandXT(ɗ)*		105	99	105	
PBA Hallmark XT(ɗ)*		100	104	98	
PBA Hurricane XT(ɗ)*		97	103	99	
PBA Bolt(ɗ)		104	78	101	
GIA Leader(ɗ)*		93	104	92	
Sowing date	**14 May**	**1 Jun**	**2 Jun**	**13 May**	**5 Jun**
Rainfall J–M (mm)	**47**	**71**	**97**	**69**	**23**
Rainfall A–O (mm)	**344**	**219**	**417**	**280**	**198**

Special thanks to 2024 trial cooperator.
* herbicide-tolerant variety. [1] IMI-trial.
Learn more via the NVT Long Term Yield Reporter

Table 4: Minlaton lentil.

Year	2020	2021	2022	2023	2024[1]
Mean yield (t/ha)	3.53		3.53	2.23	2.19
GIA Thunder(ɗ)*	112	Compromised trial	111	107	107
ALB Terrier(ɗ)*			106	98	107
GIA Lightning(ɗ)*	105		103	106	113
GIA Leader(ɗ)*	108		98	91	102
PBA Hurricane XT(ɗ)*	102		100	98	99
PBA HighlandXT¿*	95		101	105	98
PBA Hallmark XT(ɗ)*	100		100	97	97
PBA KelpieXT(ɗ)*	94		104	106	89
GIA Metro(ɗ)*			84	75	76
GIA Sire(ɗ)*			87	93	78
Sowing date	**21 May**	**1 Jun**	**10 Jun**	**10 May**	**30 May**
Rainfall J–M (mm)	**45**	**51**	**92**	**35**	**28**
Rainfall A–O (mm)	**410**	**308**	**286**	**234**	**145**

Special thanks to 2024 trial cooperator.
* herbicide-tolerant variety. [1] IMI-trial.
Learn more via the NVT Long Term Yield Reporter

Table 5: Owen lentil.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					
	No trial	No trial	No trial	No trial	Compromised trial
Sowing date					**30 May**
Rainfall J–M (mm)					**13**
Rainfall A–O (mm)					**184**

Special thanks to 2024 trial cooperator, Nine Mile Farm.

Table 6: Riverton lentil.

Year	2020	2021	2022	2023	2024[1]
Mean yield (t/ha)	3.95	4.00	4.60	2.85	2.11
GIA Thunder(ɗ)*	115	107	133	103	105
ALB Terrier(ɗ)*		102	125	100	105
PBA KelpieXT(ɗ)*	103	107	120	97	94
GIA Lightning(ɗ)*	109	104	92	107	107
PBA Hurricane XT(ɗ)*	100	101	105	99	99
PBA HighlandXT(ɗ)*	101	101	98	101	100
GIA Leader(ɗ)*	97	96	105	97	100
PBA Hallmark XT(ɗ)*	96	95	104	97	99
GIA Metro(ɗ)*		85	84	84	85
GIA Sire(ɗ)*		83	66	90	88
Sowing date	**27 May**	**2 Jun**	**27 May**	**24 May**	**7 Jun**
Rainfall J–M (mm)	**42**	**45**	**59**	**39**	**6**
Rainfall A–O (mm)	**401**	**354**	**484**	**233**	**250**

Special thanks to 2024 trial cooperator, Bruce Farming.
* herbicide-tolerant variety. [1] IMI-trial.
Learn more via the NVT Long Term Yield Reporter

Table 7: Willamulka lentil.					
Year	2020	2021	2022	2023	2024[1]
Mean yield (t/ha)	1.50				
PBA Hallmark XT(Φ)*	109	Trial failed	Compromised trial	Compromised trial	Compromised trial
GIA Leader(Φ)*	108				
GIA Thunder(Φ)*	107				
GIA Lightning(Φ)*	103				
PBA Jumbo2(Φ)	100				
PBA Hurricane XT(Φ)*	99				
PBA HighlandXT(Φ)*	98				
PBA Ace(Φ)	93				
PBA Bolt(Φ)	91				
Nipper(Φ)	87				
Sowing date	**21 May**	**27 May**	**8 Jun**	**22 May**	**5 Jun**
Rainfall J–M (mm)	**32**	**36**	**135**	**52**	**20**
Rainfall A–O (mm)	**273**	**234**	**238**	**216**	**155**

Special thanks to 2024 trial cooperator, Kyffields Grain.
* herbicide-tolerant variety. [1] IMI-trial.
Learn more via the NVT Long Term Yield Reporter

Lentil variety disease ratings – South Australia

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

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

Table 8: Lentil disease guide for South Australia.					
Variety	Ascochyta blight (Pathotype 2 PBA Hurricane XT(Φ) virulent)	Ascochyta blight (Pathotype 1 Nipper(Φ) virulent)	Botrytis grey mould	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus thornei*)

TO BE UPDATED

Learn more via the NVT Disease Ratings.
R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible, (P) = provisional rating.

LUPIN

Lupin variety yield performance – Central South Australia

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: Spalding narrow-leaf lupin.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)		1.37	4.81	2.44	
Coyote[Ф]	Trial results below standard	122	103	113	No trial
PBA Bateman[Ф]		113	104	111	
PBA Gunyidi[Ф]		105	103	106	
PBA Jurien[Ф]		94	106	106	
PBA Barlock[Ф]		94	105	105	
Rosemont[Ф]			103	105	
Jenabillup[Ф]		92	104	102	
Lawler[Ф]		101	100	101	
Gidgee[Ф]		99	100	101	
Mandelup[Ф]		97	101	100	
Sowing date	**27 Apr**	**31 May**	**26 May**	**8 May**	
Rainfall J–M (mm)	**84**	**42**	**42**	**35**	
Rainfall A–O (mm)	**411**	**290**	**458**	**297**	

No 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 – South Australia

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

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

Table 2: Lupin disease guide for South Australia.

Variety	Anthracnose resistance	Cucumber mosaic virus (CMV)	Phomopsis pod infection	Phomopsis stem infection	Sclerotinia stem rot

TO BE UPDATED

Learn more via the NVT Disease Ratings.
R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible, (P) = provisional rating.

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