Southern
New South Wales

May 2025

GRDC NATIONAL VARIETY TRIALS™

CELEBRATING 20 YEARS

NVT
HARVEST REPORT

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NVT Harvest Report – Southern New South Wales

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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

CONTENTS

Download this guide at:
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INTRODUCTION	4
WHEAT	6
BARLEY	25
OAT	31
CANOLA	34
CHICKPEA	44
FABA BEAN	46
FIELD PEA	48
LENTIL	50
LUPIN	52
USEFUL NVT TOOLS	54

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 – Southern New South Wales provides information to support growers and advisers with decisions on variety selection for **Southern New South Wales**. 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 **Southern New South Wales** 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 – Southern New South Wales***, 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 **Southern New South Wales**.

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

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

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

NVT 20th anniversary

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

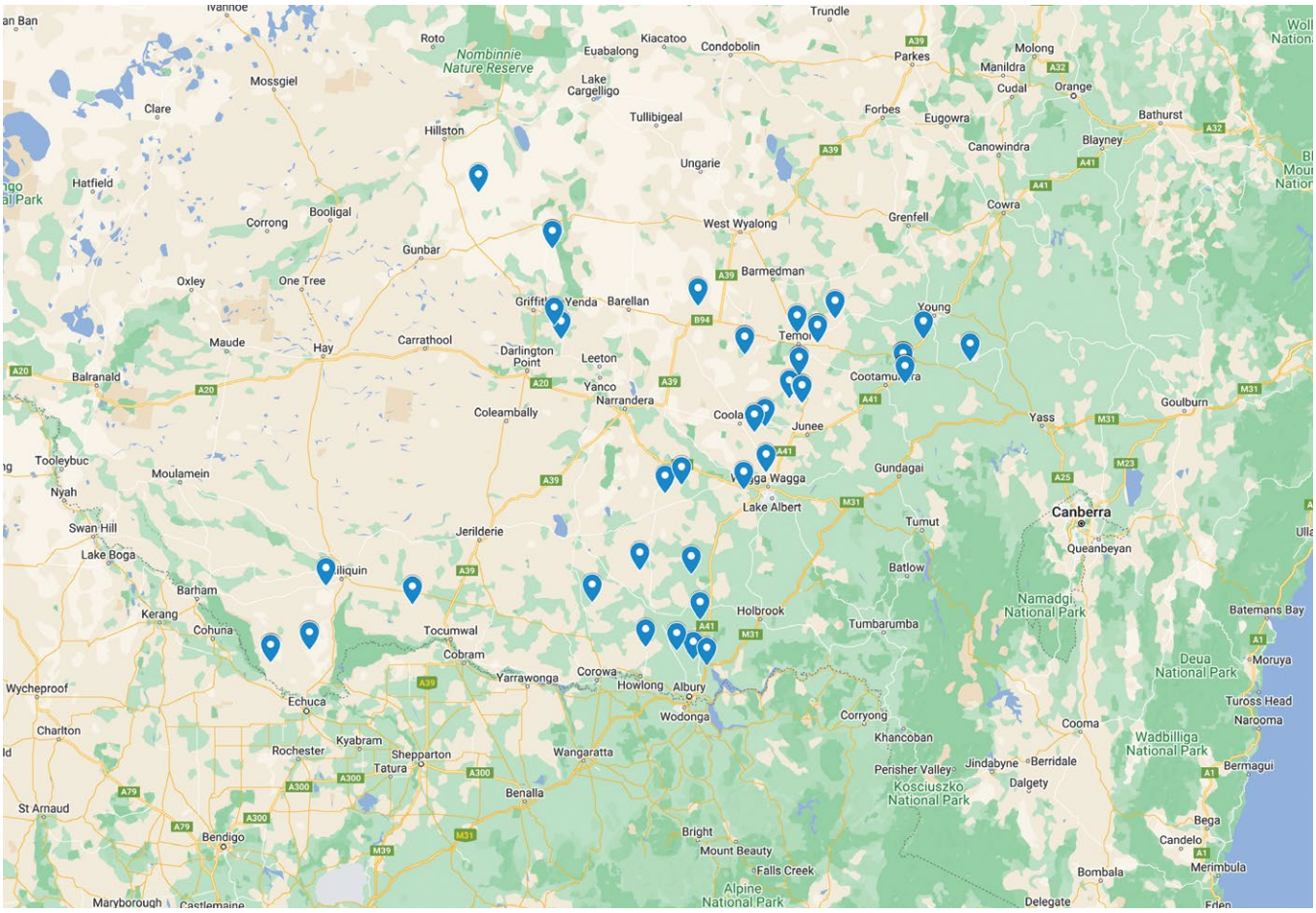
Established in 2005 by the Grains Research and Development Corporation (GRDC), the NVT program has evolved into the largest coordinated variety trial network in the world. Each year, more than 640 trials are conducted across over 300 locations nationwide, encompassing 10 different crop species. Over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

The success of NVT is a testament to the collaborative efforts of many. GRDC extends heartfelt thanks to the growers, GRDC staff and panellists, service providers, trial hosts, breeding companies and members of the NVT 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 – Southern New South Wales

Figure 1: Locality of NVT trial sites in Southern New South Wales 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 – south-eastern zone	End point royalty* ($)	Comments supplied by breeding company[1]
Avoca$^{\Phi}$	Australian Grain Technologies Pty Ltd	TBC	3.90	Avoca$^{\Phi}$ is ideally suited to high-rainfall zones. It has a relatively compact plant canopy and good physical grain quality characteristics. **Maturity description:** slow-very slow spring
Boa$^{\Phi}$	LongReach Plant Breeders Pty Ltd	TBC	4.00	Boa$^{\Phi}$ is an AH wheat combining the best attributes of the Scepter$^{\Phi}$ x LRPB Cobra$^{\Phi}$ parentage to deliver a shorter canopy wheat with an erect growth habit to suit high production and irrigation. Boa$^{\Phi}$ has both acid and boron tolerance traits. **Maturity description:** quick-mid spring
Brighton$^{\Phi}$	Australian Grain Technologies Pty Ltd	TBC	4.10	Brighton$^{\Phi}$ is a dual-purpose winter wheat suitable for grazing and grain production. It is a higher-yielding alternative to Illabo$^{\Phi}$ and slightly quicker than Illabo$^{\Phi}$. It has improved test weight compared with Illabo$^{\Phi}$. **Maturity description:** quick winter
Intrigue$^{\Phi}$	Australian Grain Technologies Pty Ltd	APH	4.00	Intrigue$^{\Phi}$ achieves high yields relative to other varieties in moisture-stressed situations. It has a good physical grain quality package, with low screenings and high test weights. Intrigue$^{\Phi}$ maintains yield potential across planting dates. **Maturity description:** mid-slow spring
Ironbark$^{\Phi}$	Australian Grain Technologies Pty Ltd	TBC	3.90	Ironbark$^{\Phi}$ is derived from Beckom$^{\Phi}$ and is an excellent replacement for Beckom$^{\Phi}$. It is similar in plant height and canopy to Beckom$^{\Phi}$ and is very widely adapted, suited to most of southern NSW. It has improved yield and grain size compared with Beckom$^{\Phi}$. It carries the major aluminium tolerance gene, which contributes to acid soil tolerance. **Maturity description:** mid spring
Jumbuck$^{\Phi}$	InterGrain Pty Ltd	AWW	3.60	Jumbuck$^{\Phi}$ has a good fit in northern growing regions with its yield stability and is well suited to late April and early May plantings. It has a solid grain quality package including excellent test weight and grain size, reducing screening risks. It has a medium plant height and good lodging tolerance. Jumbuck$^{\Phi}$ was developed by breeders at CIMMYT and was brought to Australia through the CIMMYT-Australia-ICARDA Germplasm Evaluation (CAIGE) program supported by GRDC. **Maturity description:** mid-slow spring
Lancelin$^{\Phi}$	Australian Grain Technologies Pty Ltd	TBC	3.70	Lancelin$^{\Phi}$ has Australian Soft (ASFT) quality classification. It has high and stable yields in WA, similar to Scepter$^{\Phi}$. It is similar to Scepter$^{\Phi}$ with an excellent physical grain quality package, high test weights and low screenings. **Maturity description:** mid spring
Longford$^{\Phi}$	Australian Grain and Forage Seeds Pty Ltd	FEED	3.95	Longford$^{\Phi}$ is an awned, red-grained winter wheat. It has good potential for dual-purpose use, suitable for graze-and-grain production from early planting. It has strong lodging resistance and is suitable for long-season environments. **Maturity description:** very slow winter
LRPB Major$^{\Phi}$	LongReach Plant Breeders Pty Ltd	AH	4.00	LRBP Major$^{\Phi}$ 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

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	Grain classification – south-eastern zone	End point royalty* ($)	Comments supplied by breeding company[1]
LRPB Optimus(Φ)	LongReach Plant Breeders Pty Ltd	TBC	4.25	LRBP Optimus(Φ) has a similar plant type, yield build and grain receivals package to its LRPB Lancer(Φ) parent. Consistent high trial performance across a range of sowing times in NSW and Queensland, showing optimal yield performance when sown in the first half of May. It has strong acid and sodic soil tolerance. **Maturity description:** mid spring
LRPB Tracer(Φ)	LongReach Plant Breeders Pty Ltd	APH	4.25	LRPB Tracer(Φ) is suitable for main season seeding opportunities across NSW and Queensland. It is a strong performer in sodic soil yield trials. It has a compact canopy that can aid in stubble management in zero-till farming systems. Marketed by Pacific Seeds. **Maturity description:** mid spring
Mammoth(Φ)	InterGrain Pty Ltd	FEED	3.50	Mammoth(Φ)'s unique phenology makes it an excellent option for an early break scenario, from late March to mid-April. Unlike winter wheats that have similar maturity, Mammoth(Φ) does not have the same vernalisation requirement, allowing it to continue to develop using day length rather than needing low temperature to trigger flowering like winter varieties typically need. This attribute is advantageous in both high and low-rainfall regions as it allows Mammoth(Φ) to respond to seasonal conditions and minimise frost risk. Mammoth(Φ) is well suited to WA and SA and some areas in Victoria. **Maturity description:** very slow spring
Packer(Φ)	LongReach Plant Breeders Pty Ltd	TBC	4.00	Packer(Φ) demonstrates high and stable yields in early season trials in southern NSW. **Maturity description:** mid-slow spring
RGT Healy(Φ)	RAGT	TBC	4.25	Variety description not supplied.
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
Triple 2(Φ)	Australian Grain and Forage Seeds Pty Ltd	TBC	4.00	Triple 2(Φ) is an awned, high yield potential, red-grained winter feed wheat. Triple 2(Φ) has a wide sowing window and will complement existing longer-season winter wheats in sowing programs. It suits medium and high-rainfall zones. **Maturity description:** mid winter
Wallaroo(Φ)	Trigall Australia	TBC	4.00	Variety description not supplied.

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

Wheat variety yield performance – Southern New South Wales

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: Beckom main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	4.37	5.34	4.41	3.38	4.39
Tomahawk CL Plus(Ф)	APW			100	121	112
Shotgun(Ф)					119	111
Calibre(Ф)	APH	106	109	100	120	110
Brumby(Ф)	APW		107	101	115	109
Boa(Ф)						106
RGT Ponsford(Ф)					110	106
Ironbark(Ф)					110	105
Scepter(Ф)	AH	103	106	99	113	109
Boree(Ф)	APH	101	108	99	111	108
LRPB Matador(Ф)	AH			96	111	108
RockStar(Ф)	APH	103	107	101	107	107
Vixen(Ф)	APH	98	110	96	110	111
Ballista(Ф)	AH	97	109	101	107	109
Beckom(Ф)	AH	107	102	103	110	103
Leverage(Ф)	APH				103	101
Sowing date		**18 May**	**13 May**	**23 May**	**15 May**	**14 May**
Rainfall J–M (mm)		**122**	**261**	**187**	**140**	**156**
Rainfall A–O (mm)		**366**	**276**	**450**	**192**	**248**

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

Table 2: Deniliquin main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	2.32	3.08	7.14	4.79	3.65
Shotgun(Ф)					113	127
Tomahawk CL Plus(Ф)	APW			103	113	127
Calibre(Ф)	APH	118	111	99	114	122
Boa(Ф)						116
LRPB Matador(Ф)	AH			102	107	124
Brumby(Ф)	APW		107	102	109	118
RockStar(Ф)	APH	103	105	106	111	116
RGT Ponsford(Ф)					110	112
Vixen(Ф)	APH	107	107	99	114	119
Ironbark(Ф)					106	112
Scepter(Ф)	AH	115	106	101	108	117
Ballista(Ф)	AH	104	109	104	109	114
Boree(Ф)	APH	105	106	100	114	114
Leverage(Ф)	APH				107	103
Sunmaster(Ф)	APH	111	99	110	99	107
Sowing date		**13 May**	**28 May**	**10 May**	**1 Jun**	**15 May**
Rainfall J–M (mm)		**122**	**90**	**74**	**26**	**143**
Rainfall A–O (mm)		**308**	**249**	**456**	**270**	**187**

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

Table 3: Galong main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.25	7.16	8.68	4.75	
RGT Zanzibar	FEED	118	134	116	87	
Sunmaster(Ф)	APH	116	123	108	104	
LRPB Scotch(Ф)	ASFT		128	112	90	
Ironbark(Ф)					108	
Ballista(Ф)	AH	102	113	107	112	
Sunblade CL Plus(Ф)	APH	111	115	102	106	
EG Jet(Ф)	FEED	105	123	107	85	
LRPB Optimus(Ф)				104	93	
Tomahawk CL Plus(Ф)	APW			104	120	
Kingston(Ф)	AH			103	111	
Shotgun(Ф)					118	
RGT Ponsford(Ф)					110	
Brumby(Ф)	APW		104	103	114	
Scepter(Ф)	AH	106	102	103	114	
Genie(Ф)	AH				99	
Sowing date		**13 May**	**24 May**	**17 May**	**23 May**	**13 May**
Rainfall J–M (mm)		**107**	**363**	**194**	**146**	**229**
Rainfall A–O (mm)		**569**	**390**	**729**	**294**	**354**

Compromised trial

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

Table 4: Gerogery main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.45	7.24	5.42	5.42	5.30
RGT Zanzibar	FEED	111	114	126	93	93
Leverage(Ф)	APH				99	102
RGT Ponsford(Ф)					106	105
Shotgun(Ф)					114	112
RockStar(Ф)	APH	110	106	101	104	106
Tomahawk CL Plus(Ф)	APW			92	116	113
Ironbark(Ф)					108	106
Sunmaster(Ф)	APH	106	106	104	105	104
Suncentral(Ф)	APH	105	106	109	102	101
Ballista(Ф)	AH	107	101	103	108	105
LRPB Scotch(Ф)	ASFT		111	116	88	91
Brumby(Ф)	APW		100	96	112	109
Jumbuck(Ф)	AWW					98
Beckom(Ф)	AH	103	102	102	106	106
Boree(Ф)	APH	105	102	98	106	106
Sowing date		**19 May**	**16 May**	**2 Jun**	**20 May**	**4 Jun**
Rainfall J–M (mm)		**157**	**204**	**403**	**283**	**86**
Rainfall A–O (mm)		**378**	**228**	**720**	**383**	**299**

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

Table 5: Lockhart main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.33	6.10	6.11	5.00	
Leverage(b)	APH				100	
RGT Ponsford(b)					108	
RGT Zanzibar	FEED	109	99	120	93	
RockStar(b)	APH	108	108	101	106	
Suncentral(b)	APH	107	104	108	103	
Boree(b)	APH	106	108	99	108	
Shotgun(b)					114	
Tomahawk CL Plus(b)	APW			93	116	
Ballista(b)	AH	103	105	102	109	
Vixen(b)	APH	107	106	95	111	
Ironbark(b)					108	
RGT Healy(b)			100	110	101	
Sundancer(b)	APH				97	
Calibre(b)	APH	99	109	95	113	
Brumby(b)	APW		106	96	112	
Sowing date		**14 May**	**20 May**	**24 May**	**18 May**	**9 May**
Rainfall J–M (mm)		**250**	**255**	**383**	**130**	**76**
Rainfall A–O (mm)		**446**	**239**	**371**	**231**	**209**

Compromised trial

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

Table 6: Mayrung main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	7.85	8.51	5.76	7.48	7.79
RGT Zanzibar	FEED	111	111	123	103	111
Boa(b)						111
Leverage(b)	APH				104	111
Sunmaster(b)	APH	111	110	109	106	110
RGT Ponsford(b)					106	109
LRPB Scotch(b)	ASFT		108	116	97	110
Sunblade CL Plus(b)	APH	110	109	105	104	111
RockStar(b)	APH	109	111	103	105	110
Tomahawk CL Plus(b)	APW			99	111	108
Shotgun(b)					110	109
Jumbuck(b)	AWW					108
Ironbark(b)					108	107
LRPB Matador(b)	AH			97	105	109
Sundancer(b)	APH				100	105
Ballista(b)	AH	104	104	103	107	105
Sowing date		**25 May**	**24 May**	**11 May**	**2 Jun**	**8 May**
Rainfall J–M (mm)		**94**	**90**	**190**	**98**	**49**
Rainfall A–O (mm)		**278**	**216**	**448**	**233**	**212**
Irrigation A–O (mm)		**210**	**140**		**180**	**220**

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

Table 7: Merriwagga main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	4.84	4.40	4.83	3.53	3.31
Tomahawk CL Plus(b)	APW			101	108	114
Shotgun(b)					107	114
Calibre(b)	APH	109	113	99	107	113
RGT Ponsford(b)					106	107
Brumby(b)	APW		109	101	104	110
Boa(b)						109
Vixen(b)	APH	111	110	99	104	108
Boree(b)	APH	108	110	100	106	108
RockStar(b)	APH	106	111	100	106	107
Scepter(b)	AH	110	107	100	103	109
Ballista(b)	AH	106	112	103	100	107
Ironbark(b)					103	108
Leverage(b)	APH				107	103
LRPB Matador(b)	AH			93	105	110
Beckom(b)	AH	103	106	101	105	107
Sowing date		**12 May**	**18 May**	**19 May**	**17 May**	**20 May**
Rainfall J–M (mm)		**170**	**144**	**133**	**160**	**86**
Rainfall A–O (mm)		**239**	**286**	**469**	**135**	**272**

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

Table 8: Oaklands main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.02	5.52	6.51	4.77	
RGT Zanzibar	FEED	112	101	122	108	
RGT Healy(b)			108	110	110	
Leverage(b)	APH				108	
RGT Ponsford(b)					105	
Sunmaster(b)	APH	106	107	110	108	
Tomahawk CL Plus(b)	APW			104	107	
Suncentral(b)	APH	105	106	109	104	
Ironbark(b)					107	
Sundancer(b)	APH				104	
Shotgun(b)					109	
RockStar(b)	APH	103	108	105	105	
Beckom(b)	AH	103	106	101	107	
LRPB Scotch(b)	ASFT			116	98	
Borlaug 100(b)	FEED			107	100	
Brumby(b)	APW		109	102	106	
Sowing date		**19 May**	**21 May**	**17 May**	**11 May**	**6 May**
Rainfall J–M (mm)		**197**	**125**	**196**	**99**	**45**
Rainfall A–O (mm)		**365**	**231**	**482**	**258**	**193**

Compromised trial

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

Table 9: Temora main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.27	6.47		4.91	
Tomahawk CL Plus(Ф)	APW			Trial failed	115	Compromised trial
Shotgun(Ф)					114	
RGT Ponsford(Ф)					108	
Sunmaster(Ф)	APH	114	105		105	
RockStar(Ф)	APH	108	107		108	
Brumby(Ф)	APW		104		111	
Ironbark(Ф)					108	
Calibre(Ф)	APH	105	104		113	
Scepter(Ф)	AH	109	102		110	
Vixen(Ф)	APH	107	103		110	
Leverage(Ф)	APH				103	
Ballista(Ф)	AH	105	104		108	
Sunblade CL Plus(Ф)	APH	109	103		104	
Beckom(Ф)	AH	105	104		106	
Boree(Ф)	APH	103	104		108	
Sowing date		**14 May**	**22 May**	**23 May**	**12 May**	**6 May**
Rainfall J–M (mm)		**179**	**303**	**232**	**229**	**177**
Rainfall A–O (mm)		**429**	**331**	**622**	**219**	**225**

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

Table 10: Wagga Wagga main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.52	5.72	5.71	4.37	
Ironbark(Ф)					109	Compromised trial
Tomahawk CL Plus(Ф)	APW			98	119	
Sunmaster(Ф)	APH	105	104	120	105	
Shotgun(Ф)					115	
Ballista(Ф)	AH	106	110	108	108	
RGT Zanzibar	FEED	106	99	129	92	
Brumby(Ф)	APW		109	105	113	
Scepter(Ф)	AH	105	108	101	113	
Kingston(Ф)	AH			105	107	
Calibre(Ф)	APH	102	109	98	115	
RGT Ponsford(Ф)					109	
Sunblade CL Plus(Ф)	APH	103	103	112	102	
Beckom(Ф)	AH	102	104	107	105	
RGT Healy(Ф)			98	111	103	
Leverage(Ф)	APH				99	
Sowing date		**18 May**	**16 May**	**19 May**	**13 May**	**6 May**
Rainfall J–M (mm)		**123**	**267**	**229**	**188**	**117**
Rainfall A–O (mm)		**408**	**267**	**498**	**257**	**276**

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

Table 11: Yenda main season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.00	8.46	6.25	6.12	7.86
Sunmaster(Ф)	APH	108	111	113	109	112
RGT Zanzibar	FEED	112	103	118	110	112
Tomahawk CL Plus(Ф)	APW			108	109	109
RGT Ponsford(Ф)					113	110
Boa(Ф)						110
LRPB Scotch(Ф)	ASFT		101	112	113	112
RockStar(Ф)	APH	110	105	103	116	109
Sunblade CL Plus(Ф)	APH	107	108	105	111	110
Shotgun(Ф)					109	108
Ironbark(Ф)					105	107
Leverage(Ф)	APH				114	108
Jumbuck(Ф)	AWW					109
LRPB Matador(Ф)	AH			99	110	107
Scepter(Ф)	AH	102	111	106	103	105
Ballista(Ф)	AH	104	108	109	103	104
Sowing date		**26 May**	**19 May**	**23 May**	**19 May**	**27 May**
Rainfall J–M (mm)		**141**	**211**	**219**	**131**	**105**
Rainfall A–O (mm)		**323**	**203**	**439**	**153**	**273**
Irrigation A–O (mm)		**137**	**140**		**298**	**160**

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

Table 12: Beckom early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	4.72	5.84	4.68	3.47	4.58
RockStar(Ф)	APH	106	111	100	121	113
Brumby(Ф)	APW				125	112
Leverage(Ф)	APH			103	117	110
Catapult(Ф)	AH	104	108	92	117	112
Denison(Ф)	FEED	103	108	94	114	112
LRPB Major(Ф)	AH			99	112	109
Genie(Ф)	AH				110	108
Sundancer(Ф)	APH			104	109	105
Coota(Ф)	APH	104	104	91	116	110
Sheriff CL Plus(Ф)	APW	104	104	91	117	109
Beckom(Ф)	AH	105	102	96	117	105
RGT Zanzibar	FEED	105	100	108	103	105
LRPB Optimus(Ф)						106
Valiant(Ф) CL Plus	AH	101	103	99	103	105
Mowhawk(Ф)	FEED					102
Sowing date		**27 Apr**	**5 May**	**3 May**	**5 May**	**2 May**
Rainfall J–M (mm)		**122**	**261**	**187**	**140**	**156**
Rainfall A–O (mm)		**366**	**276**	**450**	**192**	**248**

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

Table 13: Galong early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.53	7.55	8.74	5.57	
RGT Zanzibar	FEED	132	122	120	106	
BigRed(b)	FEED		118	137	85	
Wallaroo(b)					102	
LRPB Beaufort(b)	FEED	118	114	120	103	
RGT Accroc(b)	FEED	113	110	132	84	
RGT Cesario(b)	FEED	114	110	131	79	
LRPB Optimus(b)				103	110	
Stockade(b)	APW			116	95	
Leverage(b)	APH			107	113	
EG Jet(b)	FEED	115	111	110	98	
LRPB Scotch(b)	ASFT		110	106	102	
Sundancer(b)	APH			108	107	
RGT Waugh(b)	FEED	106	110	130	73	
Avoca(b)					105	
Genie(b)	AH				110	
Sowing date		**28 Apr**	**23 Apr**	**2 May**	**3 May**	**27 Apr**
Rainfall J–M (mm)		**107**	**363**	**194**	**146**	**229**
Rainfall A–O (mm)		**569**	**390**	**729**	**294**	**354**

Compromised trial

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

Table 14: Gerogery early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.95	7.49	5.56	5.71	5.42
Triple 2(b)						114
RGT Zanzibar	FEED	118	111	123	109	100
BigRed(b)	FEED		119	138	81	98
Wallaroo(b)					101	100
Leverage(b)	APH			107	115	107
RGT Accroc(b)	FEED	111	117	131	78	99
Sundancer(b)	APH			109	109	103
RockStar(b)	APH	105	103	98	117	111
Stockade(b)	APW			115	91	101
RGT Cesario(b)	FEED	109	115	132	75	95
LRPB Optimus(b)				106	116	99
Avoca(b)					100	104
Genie(b)	AH				110	105
EG Jet(b)	FEED	107	104	113	101	97
Mowhawk(b)	FEED					101
Sowing date		**27 Apr**	**30 Apr**	**23 Apr**	**30 Apr**	**9 May**
Rainfall J–M (mm)		**157**	**204**	**403**	**283**	**86**
Rainfall A–O (mm)		**378**	**228**	**720**	**383**	**299**

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

Table 15: Lockhart early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.21	5.99	6.45	5.18	
LRPB Beaufort(b)	FEED	114	111	114	98	
RGT Zanzibar	FEED	118	104	113	102	
RGT Accroc(b)	FEED	110	119		76	
Wallaroo(b)					97	
Stockade(b)	APW			111	89	
RGT Cesario(b)	FEED				72	
Avoca(b)					100	
Leverage(b)	APH			105	112	
RockStar(b)	APH	106	102	100	116	
Sundancer(b)	APH			106	106	
Genie(b)	AH				109	
Mammoth(b)	FEED				98	
LRPB Major(b)	AH			99	110	
Brighton(b)				96	98	
LRPB Scotch(b)	ASFT		99	103	101	
Sowing date		**24 Apr**	**30 Apr**	**26 Apr**	**8 May**	**30 Apr**
Rainfall J–M (mm)		**250**	**255**	**383**	**130**	**76**
Rainfall A–O (mm)		**446**	**239**	**371**	**231**	**209**

Compromised trial

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

Table 16: Mayrung early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	7.77	8.00	6.02	7.83	7.84
RGT Zanzibar	FEED	121	124	116	112	112
Wallaroo(b)					108	114
LRPB Optimus(b)						102
Avoca(b)					108	111
Stockade(b)	APW			115	99	112
LRPB Scotch(b)	ASFT		112	106	107	105
RGT Accroc(b)	FEED	102	116	124	86	113
Leverage(b)	APH			104	110	103
EG Jet(b)	FEED	110	110	108	102	104
Sundancer(b)	APH			105	107	103
RGT Cesario(b)	FEED			124	83	112
Brighton(b)				104	106	109
Genie(b)	AH				109	103
Mowhawk(b)	FEED					105
LRPB Major(b)	AH			100	109	103
Sowing date		**8 May**	**7 May**	**3 May**	**9 May**	**20 Apr**
Rainfall J–M (mm)		**94**	**90**	**190**	**98**	**49**
Rainfall A–O (mm)		**278**	**216**	**448**	**233**	**212**
Irrigation A–O (mm)		**210**	**140**		**180**	**220**

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

Table 17: Merriwagga early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	4.97	4.73	5.02	4.38	3.40
RockStar(b)	APH	114	120	106	109	116
Brumby(b)	APW				109	117
Leverage(b)	APH			110	108	113
Denison(b)	FEED	113	120	97	105	114
Catapult(b)	AH	114	118	95	105	115
LRPB Major(b)	AH			105	104	112
Genie(b)	AH				104	111
Coota(b)	APH	112	115	94	103	116
RGT Zanzibar	FEED	100	108	118	102	108
LRPB Optimus(b)						115
Sheriff CL Plus(b)	APW	112	112	94	103	116
Avoca(b)					101	106
Sundancer(b)	APH			108	105	107
Wallaroo(b)					100	103
Beckom(b)	AH	109	105	98	102	114
Sowing date		**28 Apr**	**29 Apr**	**28 Apr**	**4 May**	**23 Apr**
Rainfall J–M (mm)		**170**	**144**	**133**	**160**	**86**
Rainfall A–O (mm)		**239**	**286**	**469**	**135**	**272**

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

Table 18: Oaklands early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.74	5.96	5.56	4.69	
RGT Accroc(b)	FEED	107	103		99	
RGT Zanzibar	FEED	106	113	126	109	
LRPB Beaufort(b)	FEED	108	111	126	107	
RGT Cesario(b)	FEED				96	
Wallaroo(b)					104	
Stockade(b)	APW			119	100	
Leverage(b)	APH			110	111	
Sundancer(b)	APH			112	107	
RGT Waugh(b)	FEED				93	
RockStar(b)	APH	106	110	100	111	
Avoca(b)					101	
Genie(b)	AH				107	
EG Jet(b)	FEED	100	102	115	102	
LRPB Major(b)	AH			98	106	
LRPB Scotch(b)	ASFT		105	107	103	
Sowing date		**23 Apr**	**27 Apr**	**22 Apr**	**1 May**	**22 Apr**
Rainfall J–M (mm)		**197**	**125**	**196**	**99**	**45**
Rainfall A–O (mm)		**365**	**231**	**482**	**258**	**193**

Compromised trial

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

Table 19: Temora early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.94	6.86			
BigRed(b)	FEED		123			
RGT Accroc(b)	FEED	118	120			
RGT Cesario(b)	FEED	118	119			
RGT Zanzibar	FEED	123	113			
Longford(b)	FEED		115			
LRPB Beaufort(b)	FEED	117	114			
Willaura(b)	AH		110			
RGT Calabro	FEED	110	113	Trial failed	Trial failed	
LRPB Scotch(b)	ASFT		104			
LRPB Nighthawk(b)	AH	114	101			
Illabo(b)	APH	111	103			
EG Jet(b)	FEED	108	105			
RGT Waugh(b)	FEED	99	111			
Valiant(b) CL Plus	AH	107	103			
DS Pascal(b)	APW	108	101			
Sowing date		**22 Apr**	**27 Apr**	**3 May**	**20 Apr**	**20 Apr**
Rainfall J–M (mm)		**179**	**303**	**232**	**229**	**177**
Rainfall A–O (mm)		**429**	**331**	**622**	**219**	**225**

Compromised trial

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

Table 20: Wagga Wagga early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.92	6.12	5.95	4.28	
BigRed(b)	FEED		113	133	89	
Wallaroo(b)					108	
Avoca(b)					110	
RGT Zanzibar	FEED	110	106	116	109	
LRPB Beaufort(b)	FEED	111	110	115	103	
Stockade(b)	APW			118	100	
RGT Accroc(b)	FEED	106	113	128	87	
Brighton(b)				107	109	
RGT Cesario(b)	FEED	103	110	129	84	
Mammoth(b)	FEED				102	
Leverage(b)	APH			100	108	
Genie(b)	AH				108	
RockStar(b)	APH	109	104	95	110	
LRPB Major(b)	AH			98	109	
Sundancer(b)	APH			104	105	
Sowing date		**28 Apr**	**26 Apr**	**29 Apr**	**25 Apr**	**15 Apr**
Rainfall J–M (mm)		**123**	**267**	**229**	**188**	**117**
Rainfall A–O (mm)		**408**	**267**	**498**	**257**	**276**

Compromised trial

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

Table 21: Yenda early season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.55	8.37	6.56	6.93	6.67
RGT Zanzibar	FEED	113	116	121	112	123
Wallaroo(Ф)					115	119
LRPB Optimus(Ф)						113
Avoca(Ф)					116	111
LRPB Scotch(Ф)	ASFT		110	109	106	112
Stockade(Ф)	APW			111	111	111
Leverage(Ф)	APH			107	104	106
Sundancer(Ф)	APH			108	103	107
EG Jet(Ф)	FEED	104	106	110	102	111
Brighton(Ф)				101	115	107
Genie(Ф)	AH				106	105
Mowhawk(Ф)	FEED					107
RGT Accroc(Ф)	FEED	107	88	120	104	111
LRPB Major(Ф)	AH			101	106	103
RockStar(Ф)	APH	108	108	101	104	100
Sowing date		**15 May**	**6 May**	**2 May**	**10 May**	**3 May**
Rainfall J–M (mm)		**141**	**211**	**219**	**131**	**105**
Rainfall A–O (mm)		**323**	**203**	**439**	**153**	**273**
Irrigation A–O (mm)		**137**	**140**		**298**	**160**

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

Table 22: Culcairn/Gerogery long season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	6.01	6.69	6.07	6.49	
Anapurna	FEED	112	109	136	105	
BigRed(Ф)	FEED		108	135	98	
Longford(Ф)	FEED		101	143	97	
LRPB Beaufort(Ф)	FEED	106	110	109	112	
RGT Zanzibar	FEED	108	108	106	115	
RGT Waugh(Ф)	FEED	100	96	144	92	
RGT Cesario(Ф)	FEED	103	105	133	87	
RGT Accroc(Ф)	FEED	102	109	122	88	
Stockade(Ф)	APW			108	102	
Illabo(Ф)	APH	98	99	93	105	
Longsword(Ф)	AWW	101	93	84	116	
Mammoth(Ф)	FEED		112	75	95	
Valiant(Ф) CL Plus	AH		104	74	107	
Severn(Ф)	AWW		94	92	103	
LRPB Nighthawk(Ф)	AH	94	93	93	105	
Sowing date		**20 Apr**	**16 Apr**	**18 Apr**	**19 Apr**	**12 Apr**
Rainfall J–M (mm)		**157**	**204**	**334**	**91**	**86**
Rainfall A–O (mm)		**378**	**228**	**543**	**282**	**299**

Compromised trial

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

Table 23: Galong long season wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.71	8.04	9.04	5.99	
LRPB Beaufort(Ф)	FEED	126	121	115	115	
Longford(Ф)	FEED		114	126	91	
Anapurna	FEED	116	119	120	102	
RGT Waugh(Ф)	FEED	131	110	126	84	
BigRed(Ф)	FEED		115	123	97	
RGT Accroc(Ф)	FEED	114	110	126	94	
Stockade(Ф)	APW			114	106	
RGT Cesario(Ф)	FEED	111	111	127	87	
RGT Zanzibar	FEED	110	117	103	115	
Illabo(Ф)	APH	106	102	98	105	
Manning(Ф)	FEED	118	82	107	87	
Einstein		114	87	111	78	
LRPB Nighthawk(Ф)	AH	102	100	92	100	
Willaura(Ф)	AH				114	
Severn(Ф)	AWW		92	88	100	
Sowing date		**14 Apr**	**9 Apr**	**19 Apr**	**18 Apr**	**12 Apr**
Rainfall J–M (mm)		**107**	**363**	**194**	**146**	**229**
Rainfall A–O (mm)		**569**	**390**	**729**	**294**	**354**

Compromised trial

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

Table 24: Lockhart durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.51	4.88	5.23	4.05	
Patron(Ф)	FEED		103		106	
Bitalli(Ф)	ADR	101	102	114	104	
DBA-Aurora(Ф)	ADR	105	102	105	99	
DBA Mataroi(Ф)	ADR	99	101	107	103	
Westcourt(Ф)	ADR	99	102	103	103	
DBA Spes	FEED	106		102	96	
DBA-Artemis(Ф)	FEED		102	95	96	
Caparoi(Ф)	ADR	99	100	83	96	
DBA Bindaroi(Ф)	FEED	99	101	81	96	
DBA Vittaroi(Ф)	ADR	98	103	77	97	
Sowing date		**14 May**	**20 May**	**24 May**	**18 May**	
Rainfall J–M (mm)		**250**	**255**	**383**	**130**	
Rainfall A–O (mm)		**446**	**239**	**371**	**231**	

No trial

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

Table 25: Mayrung durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	7.31	8.53	4.18	7.44	7.64
Patron[Ф]	FEED		105		106	101
Bitalli[Ф]	ADR	101	104	112	103	103
Westcourt[Ф]	ADR	102	104	104	101	103
DBA Mataroi[Ф]	ADR	101	103	106	102	103
DBA-Aurora[Ф]	ADR	101	101	106	99	98
DBA Vittaroi[Ф]	ADR	103	103		95	103
DBA Bindaroi[Ф]	FEED	101	100	87	96	100
Caparoi[Ф]	ADR	100	98	87	96	98
DBA Lillaroi[Ф]	ADR	93	88	83	99	93
Jandaroi[Ф]	FEED*	90	84	74	98	91
Sowing date		**25 May**	**24 May**	**20 May**	**2 Jun**	**9 May**
Rainfall J–M (mm)		**94**	**90**	**190**	**98**	**49**
Rainfall A–O (mm)		**278**	**216**	**448**	**233**	**212**
Irrigation A–O (mm)		**210**	**140**		**180**	**220**

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

Table 26: Merriwagga durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	3.72	3.92		3.10	2.63
Patron[Ф]	FEED		101	Trial results below standard	109	105
Bitalli[Ф]	ADR	104	102		104	103
DBA Mataroi[Ф]	ADR	104	103		103	102
Westcourt[Ф]	ADR	103	104		102	102
DBA Vittaroi[Ф]	ADR	100	106		97	100
DBA-Aurora[Ф]	ADR	101	100		102	100
DBA Bindaroi[Ф]	FEED	98	102		97	99
Caparoi[Ф]	ADR	97	100		96	98
DBA Lillaroi[Ф]	ADR	90	89		92	93
Jandaroi[Ф]	FEED*	85	85		88	90
Sowing date		**12 May**	**18 May**	**19 May**	**17 May**	**20 May**
Rainfall J–M (mm)		**170**	**144**	**133**	**160**	**86**
Rainfall A–O (mm)		**239**	**286**	**469**	**135**	**272**

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

Table 27: Yenda durum wheat.

Year		2020	2021	2022	2023	2024
Mean yield (t/ha)	Class	5.73	7.54	3.90		6.90
Patron[Ф]	FEED		101		Compromised trial	107
Bitalli[Ф]	ADR	102	103	117		104
DBA Mataroi[Ф]	ADR	99	104	114		102
Westcourt[Ф]	ADR	99	105	108		103
DBA-Aurora[Ф]	ADR	108	97	93		103
DBA Vittaroi[Ф]	ADR	96	105	76		102
DBA Bindaroi[Ф]	FEED	98	100	78		100
Caparoi[Ф]	ADR	98	99	79		98
DBA Lillaroi[Ф]	ADR	90	91	94		87
Jandaroi[Ф]	FEED*	85	88	91		81
Sowing date		**26 May**	**19 May**	**23 May**	**19 May**	**27 May**
Rainfall J–M (mm)		**141**	**211**	**219**	**131**	**105**
Rainfall A–O (mm)		**323**	**203**	**439**	**153**	**273**
Irrigation A–O (mm)		**137**	**140**		**298**	**160**

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

Wheat variety quality – Southern New South Wales

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 Southern New South Wales 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 11 NVT sites in Southern NSW in 2023.

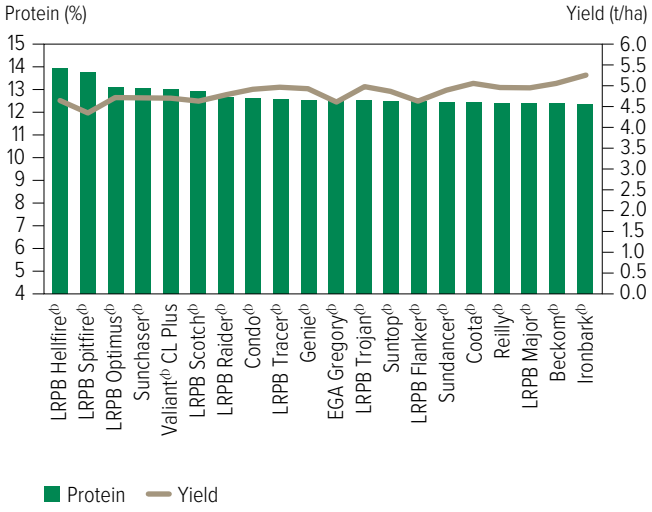


Figure 2: Protein (%) and yield (t/ha) comparisons for main season wheat varieties from six NVT sites in Southern NSW in 2024.

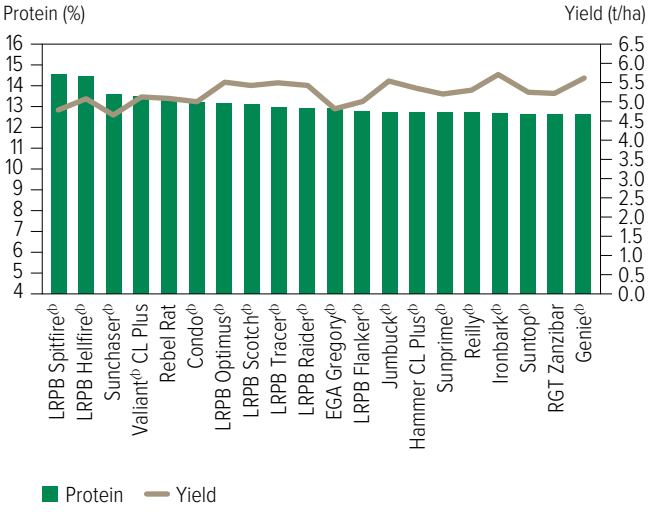


Figure 3: Protein (%) and yield (t/ha) comparisons for early season wheat varieties from nine NVT sites in Southern NSW in 2023.

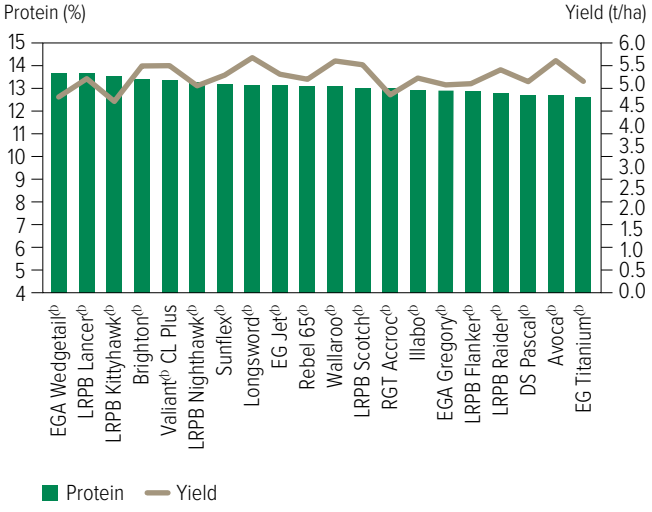


Figure 4: Protein (%) and yield (t/ha) comparisons for early season wheat varieties from five NVT sites in Southern NSW in 2024.

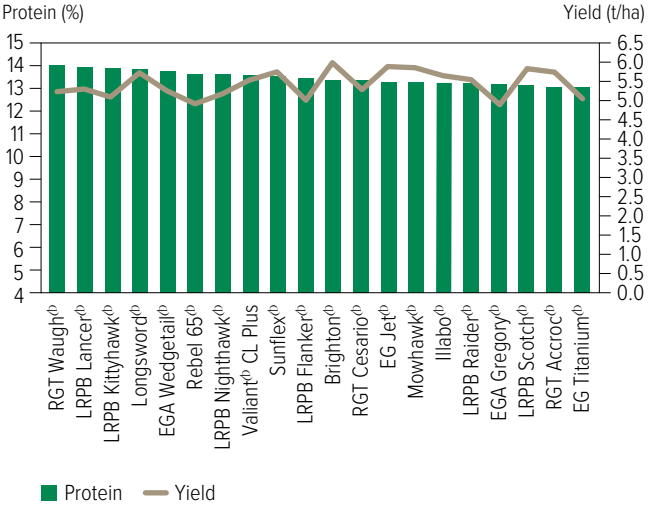


Figure 5: Protein (%) and yield (t/ha) comparisons for long season wheat varieties from two NVT sites in Southern NSW in 2023.

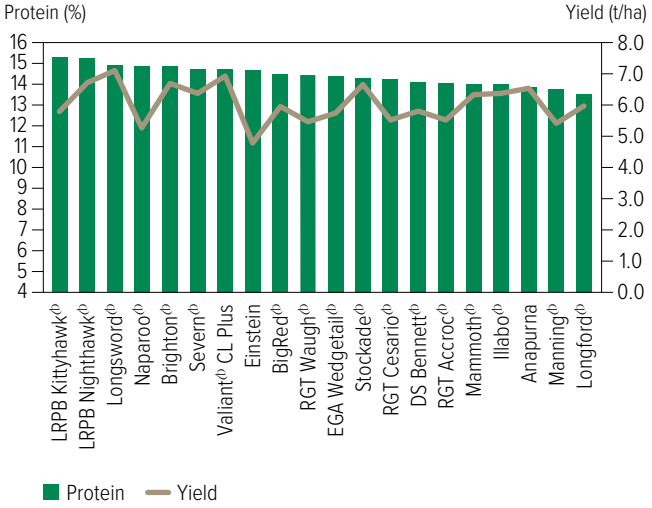


Figure 6: Protein (%) and yield (t/ha) comparisons for long season wheat varieties from NVT sites in Southern NSW in 2024.

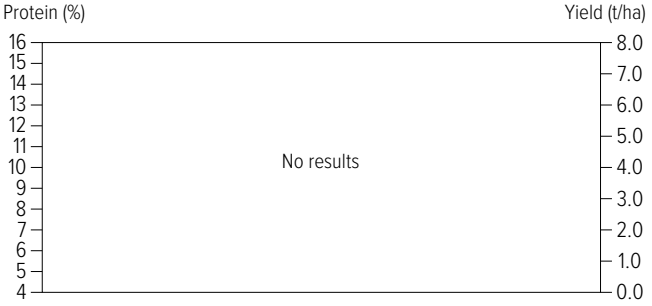


Figure 7: Protein (%) and yield (t/ha) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2023.

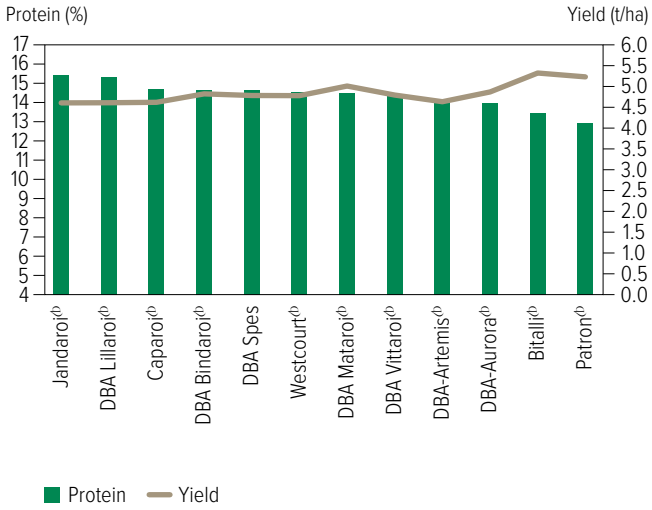
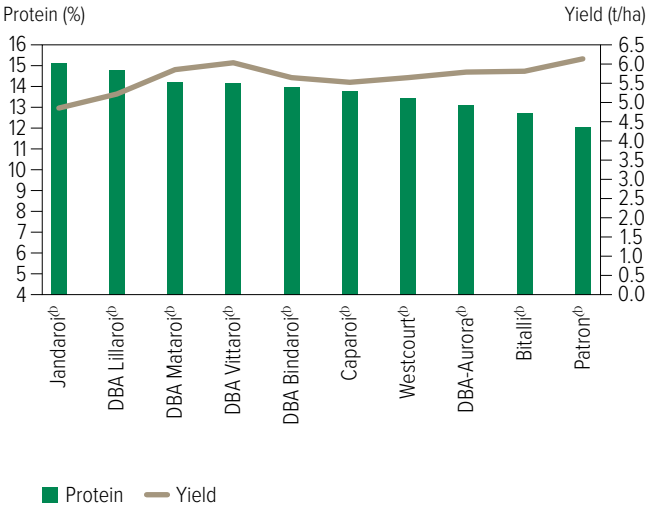


Figure 8: Protein (%) and yield (t/ha) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2024.



Test weight comparisons

Figure 9: Test weight (kg/hL) comparisons for main season wheat varieties from 11 NVT sites in Southern NSW in 2023.

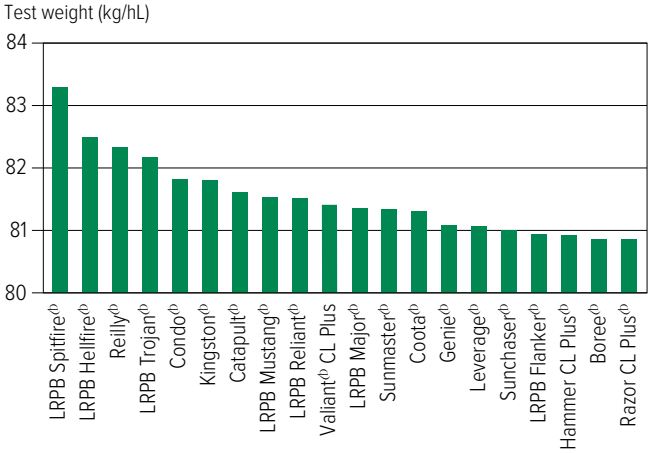


Figure 10: Test weight (kg/hL) comparisons for main season wheat varieties from six NVT sites in Southern NSW in 2024.

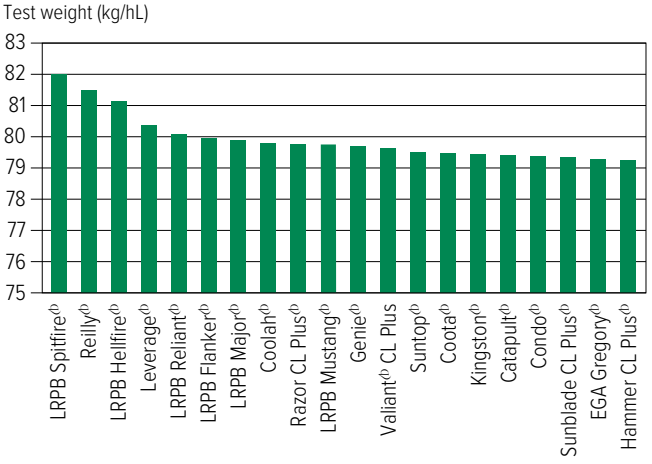


Figure 11: Test weight (kg/hL) comparisons for early season wheat varieties from nine NVT sites in Southern NSW in 2023.

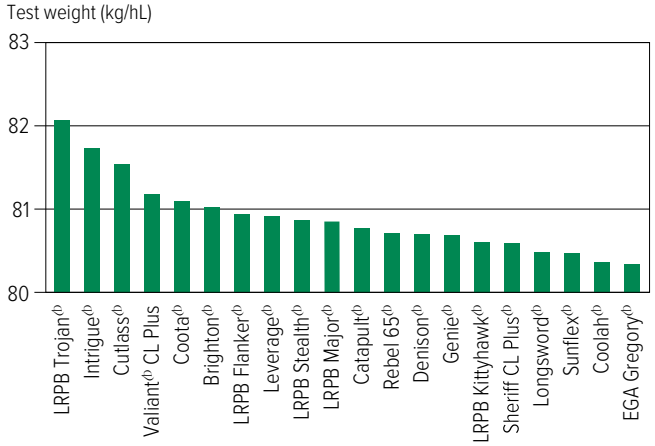


Figure 12: Test weight (kg/hL) comparisons for early season wheat varieties from five NVT sites in Southern NSW in 2024.

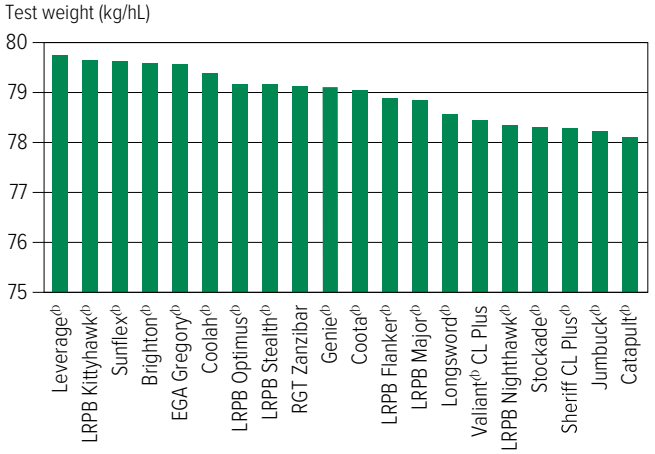


Figure 13: Test weight (kg/hL) comparisons for long season wheat varieties from two NVT sites in Southern NSW in 2023.

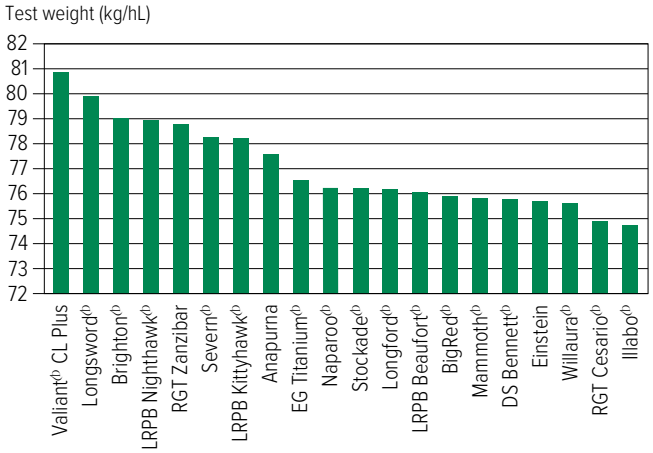


Figure 14: Test weight (kg/hL) comparisons for long season wheat varieties from NVT sites in Southern NSW in 2024.

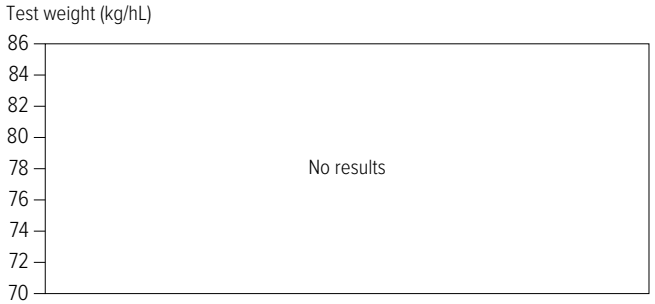


Figure 15: Test weight (kg/hL) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2023.

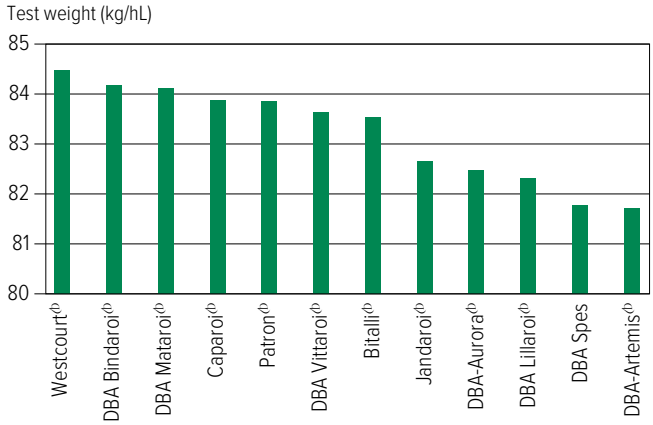
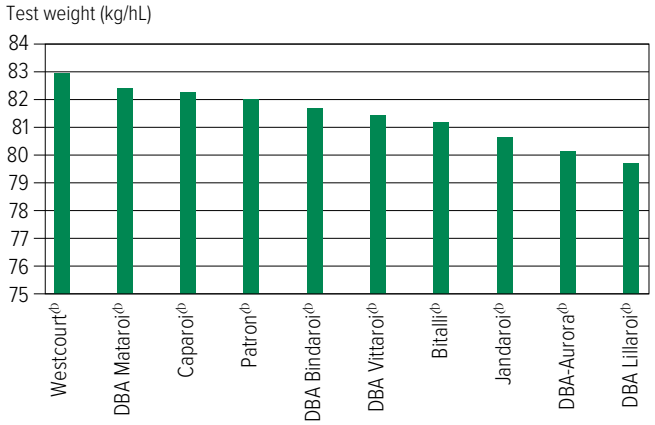


Figure 16: Test weight (kg/hL) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2024.



Screenings comparisons

Figure 17: Screenings (<2.0mm) comparisons for main season wheat varieties from 11 NVT sites in Southern NSW in 2023.

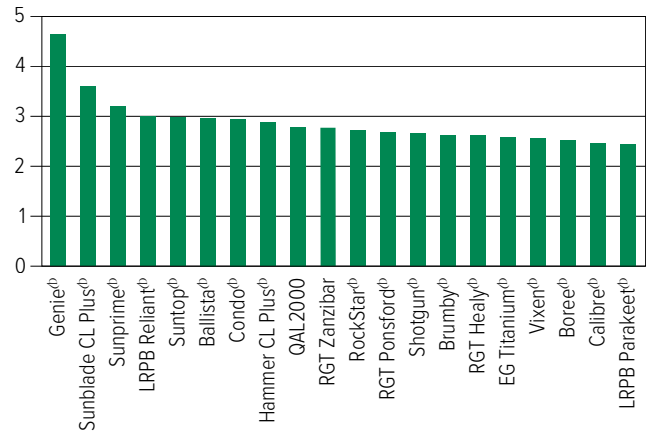


Figure 18: Screenings (<2.0mm) comparisons for main season wheat varieties from six NVT sites in Southern NSW in 2024.

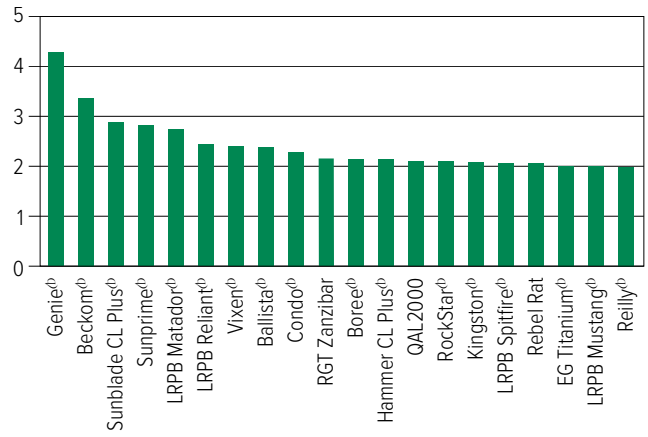


Figure 19: Screenings (<2.0mm) comparisons for early season wheat varieties from nine NVT sites in Southern NSW in 2023.

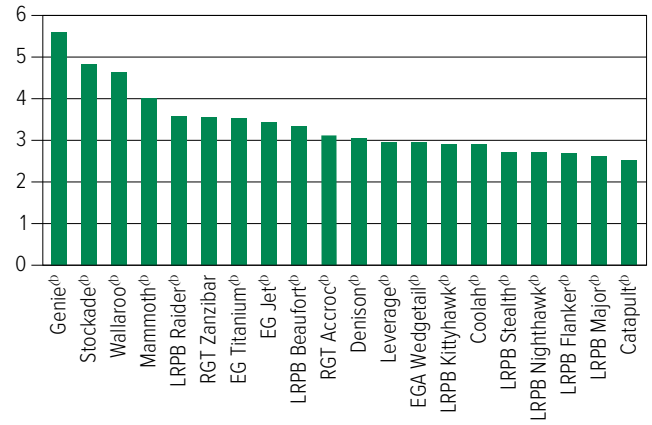


Figure 20: Screenings (<2.0mm) comparisons for early season wheat varieties from five NVT sites in Southern NSW in 2024.

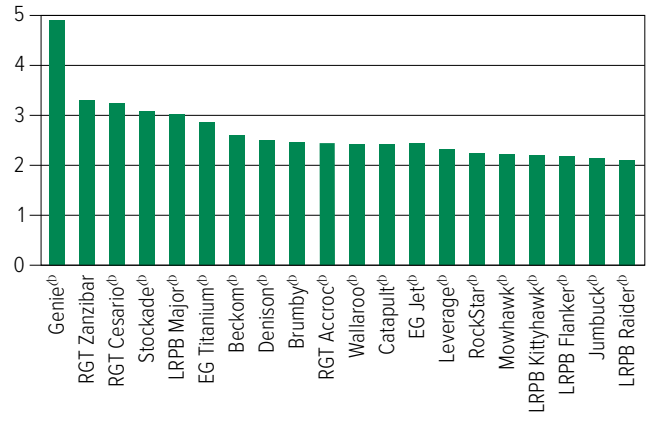


Figure 21: Screenings (<2.0mm) comparisons for long season wheat varieties from two NVT sites in Southern NSW in 2023.

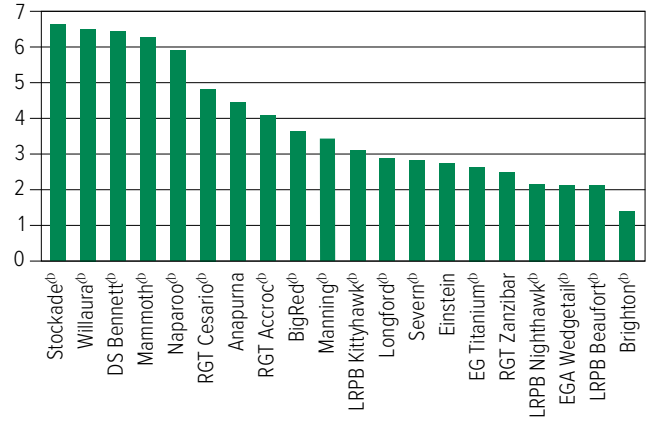


Figure 22: Screenings (<2.0mm) comparisons for long season wheat varieties from NVT sites in Southern NSW in 2024.

Figure 23: Screenings (<2.0mm) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2023.

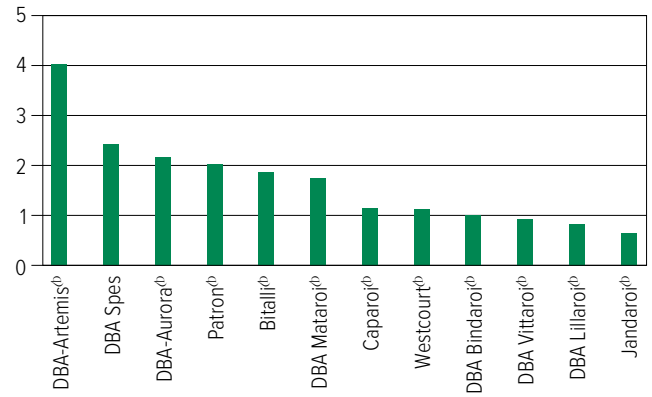
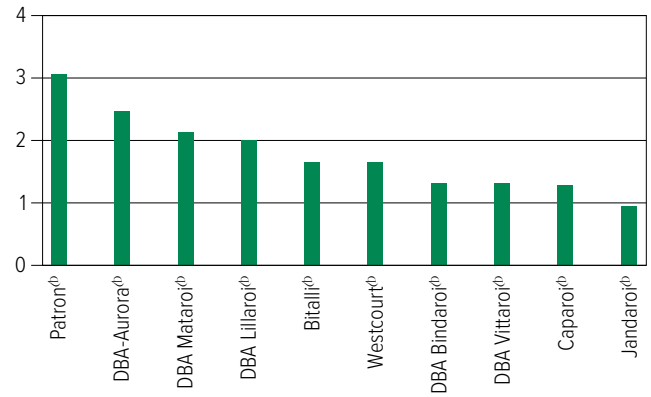


Figure 24: Screenings (<2.0mm) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2024.



Wheat variety disease ratings – New South Wales

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

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

Table 28: Wheat disease guide for New South Wales.

Variety	Crown rot	Leaf rust	Stem rust	Stripe rust (east coast resistance)	Powdery mildew	*Septoria tritici* blotch	Yellow leaf spot	RLN resistance (*Pratylenchus thornei*)	RLN tolerance (*Pratylenchus thornei*)	RLN resistance (*Pratylenchus neglectus*)	RLN tolerance (*Pratylenchus neglectus*)	CCN	Black point
Anapurna	SVS	MS	MSS	RMR	RMR	MRMS	MRMS	S (P)		MS		MRMS	MSS
Ascot(b)	S	RMR	MRMS	MSS	S	S	MRMS	S	MI	S	MI	MR	S
Avoca(b)	MSS (P)	MSS	MRMS	MRMS	MS	MSS	MSS	MSS	MTMI (P)	R (P)	I (P)	S (P)	MRMS (P)
Ballista(b)	S	S	MR	MSS	SVS	SVS	MS	MRMS	MI	S	MTMI	MRMS	MS
Beckom(b)	S	MSS	MRMS	MRMS	S	S	MSS	MSS	TMT	S	MTMI	R	MRMS
BigRed(b)	MSS	MRMS	S	RMR	RMR	MR	MR	MS		MRMS		S	MR
Boa(b)	MSS (P)	MR	MS	MRMS	S	S	MRMS	VS	MI (P)	S	MT (P)	R (P)	S (P)
Boree(b)	S	S	MR	SVS	VS	SVS	MRMS	MSS	MII	S	I	MSS	S
Borlaug 100(b)	MSS	MR	MR	SVS		MSS	MRMS	MS	TMT	S	T	MS	MSS
Brighton(b)	S	S	MRMS	MRMS	SVS	S	MRMS	MS	MTMI	S	VI (P)	R	MS
Brumby(b)	S	SVS	MR	MS	MSS	S	MRMS	MS	MI	MRMS	TMT	MRMS	MSS
Calibre(b)	S	S	MR	S	MSS	S	MRMS	MSS	MII	S	MT	MRMS	MSS
Catapult(b)	MSS	S	MR	S	S	MSS	MRMS	MS	MT	S	MII	R	S
Chief CL Plus(b)	MSS	MR	MR	SVS	SVS	S	MRMS	MSS	IVI	MRMS	MT	MS	MS
Condo(b)	S	S	MR	MRMS/MS	S	S	MS	MS	TMT	S	MT	MR	MS
Coolah(b)	MSS	RMR	MR	MSS	MSS	MSS	MSS	MS	MT	S	MT	S	S
Coota(b)	MSS	MR	RMR	S	S	S	MSS	MS	MTMI	MR	MI	MR	MS
Cutlass(b)	S	RMR	R	MSS	MSS	MSS	MSS	MSS	MI	MSS	MT	MR	MS
Denison(b)	MSS	S	MS	S	S	MSS	MRMS	S	MI	S	MII	MS	MS
DS Bennett(b)	VS	SVS	MS	S	R	MSS	MRMS	S		S		S	MSS
DS Pascal(b)	S	MRMS	MSS	MRMS	RMR	MSS	MS	S	IVI	S	MTMI	S	MS
EG Jet(b)	S	MSS	S	MRMS	MSS	MSS	MRMS	S	I	S	MI	MRMS	MS
EG Titanium(b)	MSS	MS	MS	MR	S	MSS	MSS	MSS	MTMI	MSS	MTMI	R	MSS
EGA Gregory(b)	S	MR	MR	MS	MSS	MSS	S	MSS	MT	S	MTMI	S	MSS
EGA Wedgetail(b)	S	MSS	MRMS	MS	MSS (P)	MSS	MSS	VS	MII	S	MII	S	MS
Genie(b)	MS (P)	S	MRMS	MSS	SVS	S	MRMS (P)	MRMS	IVI (P)	MS (P)	IVI (P)	MSS (P)	MS
Hammer CL Plus(b)	MSS	S	MR	MS	S	MSS	MRMS	S	I	MSS	MTMI	MRMS	MRMS
Illabo(b)	S	S	MR	MRMS	RMR	MSS	MS	MSS	MII	MSS	MI	MRMS	MRMS
Intrigue(b)	MSS	MR	MR	MR	S	MSS	MS	MRMS	TMT	S	MT (P)	MS	S
Ironbark(b)	MSS (P)	MRMS	MS	MR	S	S	MSS	MR (P)	MTMI (P)	S	IVI (P)	MS (P)	
Jillaroo(b)	S	S	MS	S	S	S	MS	MS (P)	MII	S	I	MS	MS
Jumbuck(b)	MSS (P)	RMR	MRMS	MRMS	MSS	MSS	MS	MSS	TMT (P)		T (P)	R (P)	MS (P)
Kingston(b)	S	S	S	MSS	S	S	MSS	MR	MTMI	S	MTMI	R	MSS
Lancelin(b)	S	MSS	MRMS	MSS	S	SVS	MRMS	MS	TMT	SVS	MI (P)	MRMS	MSS (P)
Leverage(b)	S	RMR	MR	MRMS	SVS	S	MRMS	MS	TMT	S	TMT (P)	MS	S
Longford(b)	MSS	RMR	RMR	RMR	RMR	MRMS/S	MRMS	S		S		MS	MRMS
Longsword(b)	MSS	MSS	MR	MRMS/MS	S	MS	MRMS	MRMS	MI	MRMS	VI	MRMS	MS
LRPB Anvil(b) CL Plus	MSS	SVS	MR	S	SVS	VS	MSS	S	VI	MSS	MII	MS	S
LRPB Avenger(b)	S	SVS	MS	S	SVS	S	MS	MRMS	MI	MSS	MI	MRMS	MRMS
LRPB Beaufort(b)	S	MSS	SVS	RMR	R (P)	S	MRMS	MSS	MT	MS	MI	MS	MRMS
LRPB Flanker(b)	MSS	RMR	MR	MS	S	S	MSS	MSS	MT	S	MT	S	MS

Continued on next page

Table 28: Wheat disease guide for New South Wales (continued).

Variety	Crown rot	Leaf rust	Stem rust	Stripe rust (east coast resistance)	Powdery mildew	*Septoria tritici* blotch	Yellow leaf spot	RLN resistance (*Pratylenchus thornei*)	RLN tolerance (*Pratylenchus thornei*)	RLN resistance (*Pratylenchus neglectus*)	RLN tolerance (*Pratylenchus neglectus*)	CCN	Black point
LRPB Hellfire(Ф)	MSS	MSS	MR	MRMS	SVS	S	MSS	MSS	MI	MSS	MTMI	MS	S
LRPB Impala(Ф)	MSS	SVS	MR	MRMS	MR	SVS	MSS	S	MII	SVS	MTMI	MSS	MS
LRPB Kittyhawk(Ф)	SVS	MR	MRMS	MR	MS	MRMS	MRMS	S	I	S	MI	S	MRMS
LRPB Lancer(Ф)	MSS	RMR	R	RMR	MR	MSS	MS	MS	TMT	S	MTMI	S	MRMS
LRPB Major(Ф)	MSS	MR	MRMS	MRMS	MRMS	MSS	MS	MSS	MTMI	S	MI (P)	MRMS	MSS
LRPB Matador(Ф)	S	MSS	MS	MS	MSS	S	MRMS	MS	MT	S		MS (P)	MRMS (P)
LRPB Mustang(Ф)	MSS	MSS	MRMS	MRMS	MRMS	S	MSS	MSS	MTMI	S	MI	MR	MS
LRPB Nighthawk(Ф)	MSS	MS	RMR	MR	SVS	MS	MS	MS	MI	MSS	IVI	MS	MS
LRPB Optimus(Ф)	MSS	RMR	MR	MRMS	MSS	S	MSS	MS	MTMI	MSS	I (P)	MS	MS
LRPB Oryx(Ф)	MSS	RMR#	MR	MRMS	MR	SVS	MSS	MSS	IVI	MSS	MII	S	MS
LRPB Parakeet(Ф)	MSS	RMR	MR	MR	SVS	SVS	MSS	S	MII	MRMS	MT	MS	MS
LRPB Raider(Ф)	S	RMR	RMR	MR	MSS	S	MSS	MS	TMT	MSS	MT	S	MSS
LRPB Reliant(Ф)	MS	RMR	R	MR	MS	S	S	MSS	TMT	SVS	MTMI	MSS	MS
LRPB Scotch(Ф)	S	MR#	MSS	MRMS	MR	S	MRMS	S	MI	MS	MTMI	MS	MS
LRPB Spitfire(Ф)	MS	MS	MR	MRMS	SVS	S	S	MS	MTMI	MSS	MI	MS	MSS
LRPB Stealth(Ф)	MSS	RMR	R	RMR	MRMS	MSS	MS	S	MTMI	MSS	MTMI	S	MRMS
LRPB Tracer(Ф)	S (P)	MRMS	MS	MRMS	MSS	S	MSS	MSS	MT (P)	S	MT (P)	R (P)	SVS (P)
LRPB Trojan(Ф)	MS	MR	MRMS	S	S	S	MSS	MSS	MI	MSS	MT	MS	MS
Mammoth(Ф)	S	MRMS	MR	MSS	SVS	MSS	MRMS	MRMS	MI	MSS	I	MSS	MS
Manning(Ф)	VS	MSS	MR	MR	MRMS	MRMS/S	MRMS	S		MSS		S	S
Mowhawk(Ф)		MR (P)	RMR (P)			MSS (P)	MRMS (P)						
Naparoo(Ф)	S	MS	MRMS	MRMS	MR (P)	S	MRMS	S	MI	SVS	I		
Packer(Ф)	MS (P)	MR	MR	MRMS	MSS	MSS	MS	S	MII (P)	S	MI (P)	R (P)	S (P)
Razor CL Plus(Ф)	S	S	MRMS	MRMS	MSS	SVS	MSS	MS	MI	S	MT	MR	MS
Rebel 65(Ф)	S	MRMS	MSS (RMR)	MSS		SVS	MSS	MRMS	MT	S	TMT	MSS	MSS
Rebel Rat	MSS	MRMS	MRMS	MSS	VS	MSS	MRMS	MSS	MT	S	T	MRMS	MSS
Reilly(Ф)	S	MSS	MRMS	MS	MSS	S	S	MSS	MTMI	MS	MTMI	R	MSS
RGT Accroc(Ф)	SVS	S	MRMS	MRMS	MRMS	MS	MRMS	MSS		MS		S	MRMS
RGT Calabro	SVS	MS	MS	MRMS	RMR	MRMS	MR	MS		S	VI	S	MS
RGT Cesario(Ф)	VS	RMR	RMR	MRMS	RMR	MRMS	MR	MSS		MRMS		MSS (P)	R (P)
RGT Healy(Ф)	S	MR	MRMS	MRMS	S	MSS	MSS	MR	MT	MSS	MT	MR	MRMS
RGT Ponsford(Ф)	MSS	MR	RMR	MS	MSS	MSS	MS	S	IVI	MSS	MT	MRMS	S
RGT Waugh(Ф)	S	S	MS	MR	RMR	MRMS#	MRMS	MSS		MSS		MS	MRMS
RGT Zanzibar	S	SVS	VS	RMR	RMR	MSS	MS	MS (P)	MI	S	MI (P)	MSS	MRMS
RockStar(Ф)	S	S	MRMS	S	SVS	S	MRMS	MS	MI	MRMS	I	MSS	MSS
Rottnest(Ф)		VS (P)	S (P)	SVS (P)	SVS (P)	SVS (P)	MRMS (P)						
Scepter(Ф)	MSS	MSS	MRMS	S	SVS	S	MRMS	MSS	MT	S	MTMI	MRMS	MS
SEA Condamine	MSS	RMR	MRMS	MSS	MSS	VS	MSS	MS	MT	S	MT	S	MRMS
Severn(Ф)	S	MR	MRMS	MR	RMR	MSS	MRMS	MRMS		S		MSS (P)	MR
Sheriff CL Plus(Ф)	S	SVS	MS	SVS	SVS	S	MRMS	MS	I	MRMS	MTMI	MS	MS
Shotgun(Ф)	MS (P)	MSS	MRMS	MSS	S	S (P)	MRMS	MRMS	TMT (P)	MS (P)	MI (P)	R (P)	S (P)
Stockade(Ф)	S	MR	MS	MR	SVS	MS	MRMS	MSS	MTMI	S	MT	MRMS	MRMS
Stockman(Ф)	S	MR	MS	MRMS (P)	SVS	S (P)	MSS (P)	S	MI	MRMS		S	S (P)
Sunblade CL Plus(Ф)	S	MSS	MS	MRMS	S	S	MSS	MRMS	MT	MSS	MI	MSS	MRMS
Suncentral(Ф)	MSS	RMR	MRMS	MS	SVS	S	MSS	MRMS	MT	MRMS	MI	S	MRMS
Sunchaser(Ф)	MSS	R	MR	RMR	SVS	S	MS	MSS	MT	MSS	MTMI	MSS	MRMS
Sundancer(Ф)	MSS	RMR	MR	MR	S	MSS	MS	MS	MTMI	MSS	MTMI (P)	MS	S
Sunflex(Ф)	MSS	RMR	MR	MRMS	S	SVS	MS	MSS	MI	S	MI	MS	MSS
Sunmaster(Ф)	MSS	RMR	MS	MRMS	S	S	MSS	MS	TMT	MRMS	MTMI	MSS	MR

Continued on next page

Table 28: Wheat disease guide for New South Wales (continued).

Variety	Crown rot	Leaf rust	Stem rust	Stripe rust (east coast resistance)	Powdery mildew	*Septoria tritici* blotch	Yellow leaf spot	RLN resistance (*Pratylenchus thornei*)	RLN tolerance (*Pratylenchus thornei*)	RLN resistance (*Pratylenchus neglectus*)	RLN tolerance (*Pratylenchus neglectus*)	CCN	Black point
Sunmax(Þ)	MSS	MS	MRMS	RMR	S	MSS	MS	MS	MI	S	MT	MRMS	MRMS
Sunprime(Þ)	S	MR	MS	MS		S	MSS	S	MTMI	S	MTMI	MS	MSS
Suntop(Þ)	MSS	MR	MRMS	MRMS	S	S	MSS	MRMS	TMT	S	MT	S	MSS
Tomahawk CL Plus(Þ)	MSS	S	MR	S	SVS	S	MRMS	MS	TMT	S	MI (P)	MRMS	S
Triple 2(Þ)	MRMS (P)	MRMS	MR (P)	RMR (P)	MRMS	MR	MR (P)	MR		R (P)		MS (P)	S (P)
Valiant(Þ) CL Plus	MSS	S	MRMS	S	VS	MSS	MRMS	S (P)	VI	S	MII	MSS (P)	MRMS
Vixen(Þ)	S	SVS	MRMS	SVS	SVS	S	MRMS	MS	I	MRMS	I	MSS	MSS
Wallaroo(Þ)	MSS	RMR	RMR	RMR	S	MSS	MRMS	MRMS	MI	MS		R	MS
Willaura(Þ)	S	MRMS	MR	S	SVS	S	MS	MRMS	MTMI	MSS	MII	MS	MRMS
DURUM													
Bitalli(Þ)	SVS	MR	RMR	MRMS	S	MSS	MRMS	RMR	MI	MSS	MI	MSS	MS
Caparoi(Þ)	VS	RMR	MR	MRMS	S	MRMS/S	MRMS	MR	MT	MS	MI	MRMS (P)	MSS
DBA Bindaroi(Þ)	SVS	RMR	MR	MRMS	S	MS	MS	MR	MTMI	MRMS	MI	MS	MRMS
DBA Lillaroi(Þ)	SVS	RMR	RMR	MRMS	S	S	MRMS	RMR	MT	MRMS	MI	S	MS
DBA Mataroi(Þ)	SVS	MR	MRMS	MRMS	S	MSS	MRMS	RMR	MI	MS	MTMI	MRMS	MS
DBA Vittaroi(Þ)	SVS	RMR	MR	MRMS	MSS	MSS	MRMS	MR	MI	MS	I	S	MSS
DBA-Aurora(Þ)	SVS	RMR	RMR	MR	MSS	MRMS/S	MRMS	RMR	MT	MRMS	MI	MSS	MS
Hyperno(Þ)	SVS	RMR	RMR	MRMS	MSS	MS	MRMS	RMR	TMT	MS	MTMI	MS	MS
Jandaroi(Þ)	VS	RMR	MRMS (R)	MRMS	S (P)	MSS	MRMS	MRMS	MTMI	MS	MII	MS	MS
Patron(Þ)	SVS	RMR	RMR	MRMS	S	MRMS	MRMS	MR	MT	MRMS	T	S	MSS
Westcourt(Þ)	VS	RMR	RMR	MR	MSS	S	MRMS	MR	MTMI	MS	MI	MSS	MSS

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 29: An industry guide for wheat variety maturity description.

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

Source: Australian Crop Breeders Ltd

Wheat optimum time of sowing – an example for Southern New South Wales

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.

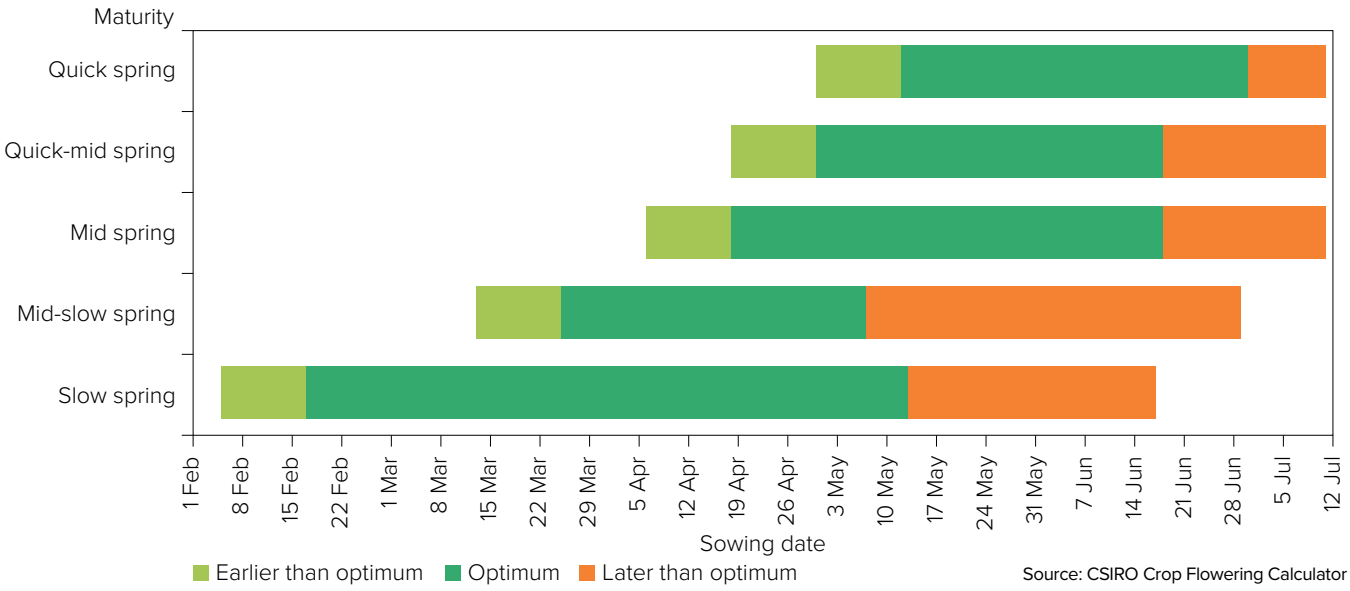
Growers and advisers are encouraged to use the Crop Flowering Calculator to compare the impact of specific variety selection and sowing date for the ideal flowering window at their own location. The Crop Flowering Calculator is a simple phenology (maturity) model that uses 60 years of local weather data 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 25) 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 25: Optimum time of sowing by variety maturity for Lockhart as an example for Southern New South Wales.



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.
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.
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 – Southern New South Wales

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: Beckom main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	4.36	6.02	5.06	3.68	5.11
Neo(Ꝺ) CL*				105	119
Combat(Ꝺ)		118	105	114	109
Minotaur(Ꝺ)	112	108	106	108	112
Cyclops(Ꝺ)	111	107	101	115	113
Spinnaker(Ꝺ)			112	96	106
Rosalind(Ꝺ)	109	105	102	107	109
Bigfoot CL(Ꝺ)*					107
RGT Planet(Ꝺ)	99	112	113	90	104
Zena(Ꝺ) CL*		109	111	90	103
PegasusAX(Ꝺ)*					106
Yeti(Ꝺ)	113	94	95	113	105
Laperouse(Ꝺ)	111	95	96	110	106
Maximus(Ꝺ) CL*	114	91	90	114	110
Leabrook(Ꝺ)	98	100	98	110	92
Beast(Ꝺ)	101	97	92	113	96
Sowing date	**18 May**	**13 May**	**23 May**	**15 May**	**14 May**
Rainfall J–M (mm)	**122**	**261**	**187**	**140**	**156**
Rainfall A–O (mm)	**366**	**276**	**450**	**192**	**248**

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

Table 2: Deniliquin main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	5.18	4.28	6.72	5.58	
Neo(Ꝺ) CL*				106	Compromised trial
Combat(Ꝺ)		118	100	103	
Spinnaker(Ꝺ)			107	104	
RGT Planet(Ꝺ)	104	101	107	105	
Minotaur(Ꝺ)	107	102	105	102	
Cyclops(Ꝺ)	109	105	101	101	
Zena(Ꝺ) CL*		99	106	104	
Rosalind(Ꝺ)	104	104	102	101	
Leabrook(Ꝺ)	100	111	98	98	
Titan AX(Ꝺ)*			97	98	
Bottler(Ꝺ)	98	92	104	102	
Yeti(Ꝺ)	99	102	101	97	
Laperouse(Ꝺ)	100	97	101	98	
Beast(Ꝺ)	99	110	95	96	
Fathom(Ꝺ)	100	106	94	98	
Sowing date	**13 May**	**28 May**	**10 May**	**1 Jun**	**15 May**
Rainfall J–M (mm)	**122**	**90**	**74**	**26**	**143**
Rainfall A–O (mm)	**308**	**249**	**456**	**270**	**187**

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

Table 3: Lockhart main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	6.33	6.96	6.06	5.75	
Neo(Ꝺ) CL*				111	Compromised trial
Spinnaker(Ꝺ)			118	105	
Combat(Ꝺ)		108	111	109	
RGT Planet(Ꝺ)	115	105	118	103	
Zena(Ꝺ) CL*		104	116	102	
Minotaur(Ꝺ)	110	107	109	107	
Rosalind(Ꝺ)	110	107	108	106	
Cyclops(Ꝺ)	107	106	103	107	
Maximus(Ꝺ) CL*	99	104	93	104	
Yeti(Ꝺ)	99	102	96	103	
Bottler(Ꝺ)	100	97	105	96	
Laperouse(Ꝺ)	96	101	94	102	
La Trobe(Ꝺ)	97	100	92	101	
Spartacus CL(Ꝺ)*	96	101	91	101	
Alestar(Ꝺ)	96	96	99	94	
Sowing date	**14 May**	**20 May**	**24 May**	**18 May**	**9 May**
Rainfall J–M (mm)	**250**	**255**	**383**	**130**	**76**
Rainfall A–O (mm)	**446**	**239**	**371**	**231**	**209**

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

Table 4: Merriwagga main season barley.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	4.34	4.94	5.30	3.86	4.13
Neo(Ꝺ) CL*				113	107
Combat(Ꝺ)		109	113	109	115
Minotaur(Ꝺ)	112	109	104	106	107
Cyclops(Ꝺ)	108	108	102	106	112
Spinnaker(Ꝺ)			111	105	100
RGT Planet(Ꝺ)	100	108	113	103	99
Bigfoot CL(Ꝺ)*					105
Rosalind(Ꝺ)	105	104	102	106	100
Zena(Ꝺ) CL*		106	110	102	96
Laperouse(Ꝺ)	114	101	91	101	103
PegasusAX(Ꝺ)*					97
Yeti(Ꝺ)	112	99	91	103	100
Bottler(Ꝺ)	99	102	104	97	96
Titan AX(Ꝺ)*			99	99	110
Leabrook(Ꝺ)	96	97	99	101	107
Sowing date	**12 May**	**18 May**	**19 May**	**17 May**	**20 May**
Rainfall J–M (mm)	**170**	**144**	**133**	**160**	**86**
Rainfall A–O (mm)	**239**	**286**	**469**	**135**	**272**

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

Table 5: Oaklands main season barley.					
Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	5.22	5.65	5.90	5.04	
Neo(Ф) CL*				109	Compromised trial
Spinnaker(Ф)			105	106	
Rosalind(Ф)	107	110	107	104	
Minotaur(Ф)	109	106	107	104	
RGT Planet(Ф)	111	107	100	106	
Combat(Ф)		106	108	107	
Zena(Ф) CL*		107	100	105	
Yeti(Ф)	103	105	112	98	
Cyclops(Ф)	103	103	105	103	
Maximus(Ф) CL*	102	106	105	99	
Laperouse(Ф)	102	99	105	97	
Beast(Ф)	92	99	108	97	
Spartacus CL(Ф)*	97	102	99	98	
Leabrook(Ф)	93	96	109	96	
Bottler(Ф)	104	97	93	101	
Sowing date	**19 May**	**21 May**	**17 May**	**11 May**	**6 May**
Rainfall J–M (mm)	**197**	**125**	**196**	**99**	**45**
Rainfall A–O (mm)	**365**	**231**	**482**	**258**	**193**

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

Barley variety quality – Southern New South Wales

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 Southern New South Wales 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 five NVT sites in Southern NSW in 2023.

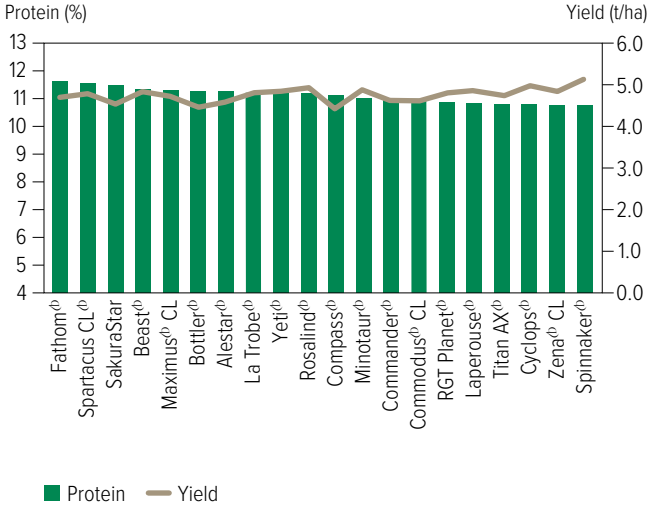
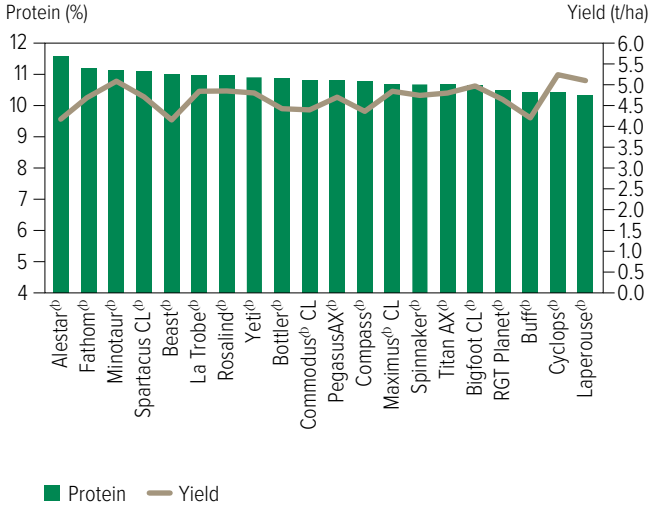


Figure 2: Protein (%) and yield (t/ha) comparisons for main season barley varieties from two NVT sites in Southern NSW in 2024.



Test weight comparisons

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

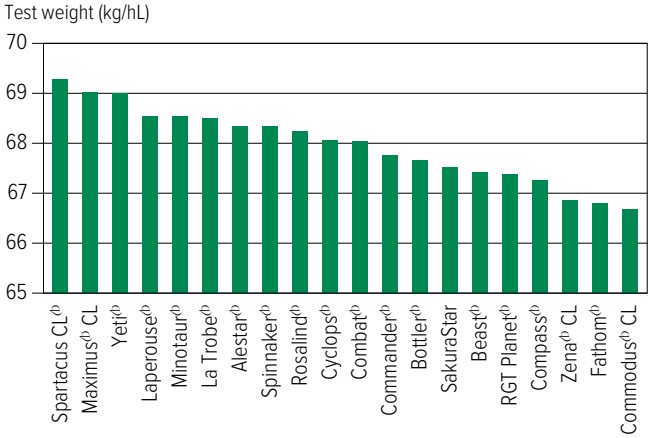
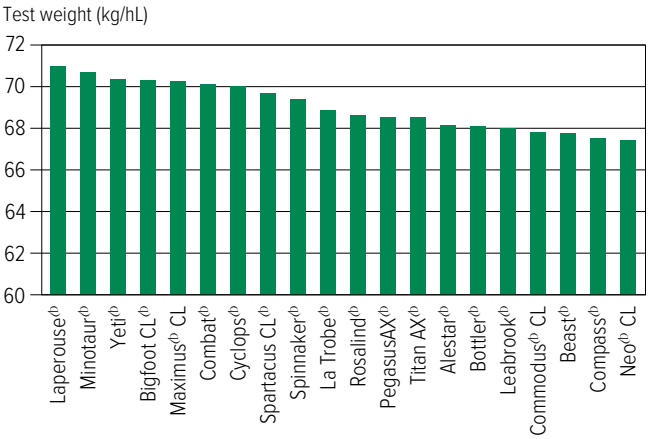


Figure 4: Test weight (kg/hL) comparisons for main season barley varieties from two NVT sites in Southern NSW in 2024.



Screenings comparisons

Figure 5: Screenings (<2.2mm) comparisons for main season barley varieties from five NVT sites in Southern NSW in 2023.

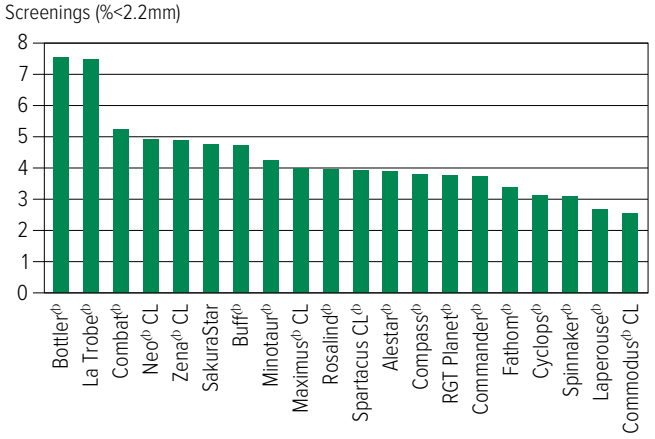
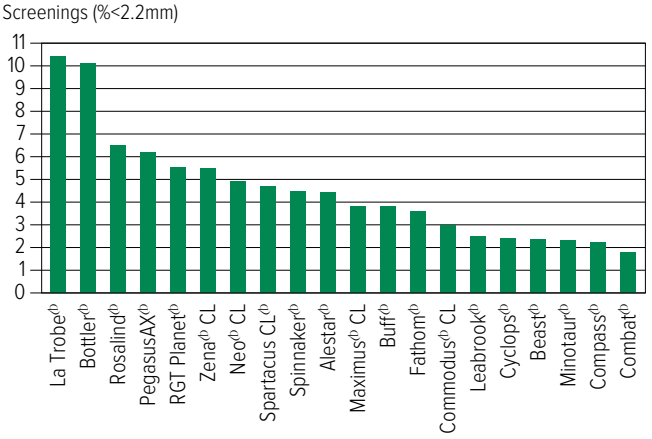


Figure 6: Screenings (<2.2mm) comparisons for main season barley varieties from two NVT sites in Southern NSW in 2024.



Retention comparisons

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

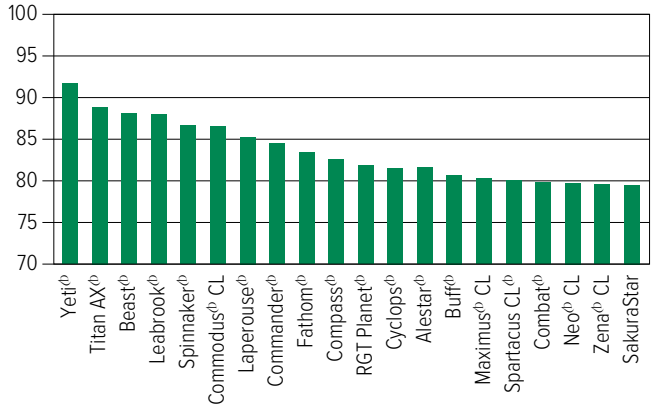
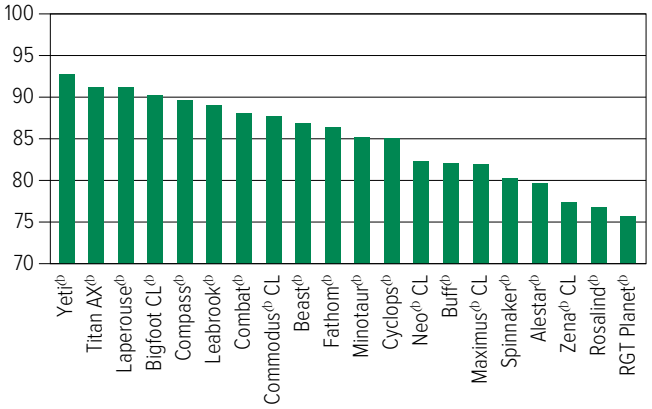


Figure 8: Retention (>2.5mm) comparisons for main season barley varieties from two NVT sites in Southern NSW in 2024.



Barley variety disease ratings – New South Wales

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

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

Table 6: Barley disease guide for New South Wales.

Variety	Leaf scald	Net form net blotch	Spot form net blotch	Powdery mildew	Leaf rust	Barley grass stripe rust (BGYR)	Crown rot	CCN	RLN resistance (*Pratylenchus thornei*)	RLN tolerance (*Pratylenchus thornei*)	RLN resistance (*Pratylenchus neglectus*)	RLN tolerance (*Pratylenchus neglectus*)	Ramularia
Alestar(ф)	SVS	S	S	MRMS	MRMS	R	S	R^ (P)	MR	MTMI	MR	I	SVS
Beast(ф)	SVS	MSS	MS	S	S	R	S	MR	MRMS	TMT	MRMS	MI	SVS
Bigfoot CL(ф)	SVS (P)	MRMS (P)	MRMS	S	SVS	RMR	MSS (P)	R	RMR (P)	TMT	MR		SVS
Bottler(ф)	SVS	MRMS	MSS	RMR	MRMS	R	SVS		RMR	MI	MS	MT	SVS
Buff(ф)	S	MS	S	S	SVS	R	S		MS	MI	MRMS	MT	SVS
Combat(ф)	S	MSS	MR	MSS	MS	R	MSS	MR	MS	TMT	MRMS		SVS
Commander(ф)	SVS	S	MSS	MSS	SVS	R	S	R	MRMS	MT	MRMS	MTMI	SVS
Commodus(ф) CL	S	MS	MSS	MSS	SVS	R	S	R	MRMS	MTMI	MRMS	TMT	SVS
Compass(ф)	SVS	MSS	MS	S	SVS	RMR	MSS	R	MR	TMT	MRMS	TMT	SVS
Cyclops(ф)	S	MS	MSS	SVS	S	R	MSS	S	MRMS	MI	MRMS	MI	SVS
Fandaga(ф)	S	MS	S	R	MRMS	MS	MS	R	MR	TMT	MR		SVS
Fathom(ф)	S	S	MR	MRMS	MS	MR	SVS	R	MR	MT	MRMS	T	SVS
Flinders(ф)	S	MS	S	MR	MSS	R	MSS	S	MR	MTMI	MRMS		SVS
Granite(ф) CL	SVS (P)	MRMS (P)	MS (P)	SVS (P)	MSS (P)	R	SVS (P)						SVS (P)
Kiwi	SVS	MS	MSS	MS	MS	R	MSS	S	RMR	MTMI	MRMS	MI	SVS
La Trobe(ф)	SVS	MRMS	S	S	MS	R	S	R	MRMS	MT	MRMS	MT	SVS
Laperouse(ф)	SVS	MS	MRMS	MSS	SVS	MR	S	S	MR	MTMI	MRMS	MI	SVS
Leabrook(ф)	S	MS	MS	S	SVS	RMR	S	RMR	RMR	TMT	MRMS	MT	SVS
Litmus(ф)	VS	S	S	MSS	SVS	RMR	S	MS	MRMS	IVI	MS	MTMI	SVS
Maximus(ф) CL	S	MRMS	MS	S	MS	RMR	S	R	MRMS	MI	MRMS	MT	SVS
Minotaur(ф)	VS	MRMS	S	S	SVS	R	MSS	R	MRMS	TMT	MRMS	MI	SVS
Neo(ф) CL	S	MSS	MR	RMR	SVS	MRMS	VS (P)	R	MRMS	MII	MR		SVS
Newton	MS	MR (P)	MS	RMR	RMR	R	MSS (P)	MSS	MRMS	T	MRMS		S
PegasusAX(ф)	MSS (P)	MRMS (P)	MSS	S	MR	R	MSS (P)	R	MRMS	IVI	MR		SVS
RGT Atlantis(ф)	S	SVS (P)	S	R	MR	MR	SVS (P)	R	RMR	MII	MR		SVS
RGT Planet(ф)	MSS	SVS	SVS	RMR	MR	MR	MSS	R	MR	MI	MRMS	MT	SVS
Rosalind(ф)	MSS	MR	MSS	S	MR	RMR	S	R	MRMS	TMT	MRMS	MT	SVS
Scope CL(ф)	SVS	MRMS	MSS	MRMS	SVS	RMR	S	S	MRMS	MI	MRMS	MI	SVS
Spartacus CL(ф)	SVS	MSS	S	S	MSS	RMR	S	R	MRMS	MI	MRMS	MII	SVS
Spinnaker(ф)	S	S (P)	SVS	RMR	MS	MS	MSS	S	MS	MT	MR		SVS
Titan AX(ф)	SVS	MS	MSS	MSS	SVS	MR	MSS	MR (P)	MR	TMT	MR		SVS
Urambie	MSS	MRMS	S	MS	MRMS,MSS	R	MSS		MR	I	MRMS	IVI	SVS
Westminster(ф)	MSS	MRMS	S	RMR	MR	R	MSS		MS	I	MRMS	IVI	SVS
Yeti(ф)	VS	MS	MRMS	S	SVS	MR	S	RMR	MR	MT	MR	TMT	SVS
Zena(ф) CL	MSS	S	S	RMR	MRMS	MR	S	R	MR	TMT	MRMS		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, comma indicates a mixed phenotype.

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 – Southern New South Wales

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: Gerogery oat.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**5.48**	**5.23**	**4.08**	**4.21**	**3.87**
Wallaby(b)				94	84
Archer(b)*				97	115
Koala(b)	124	116	114	100	95
Bannister(b)	110	112	109	104	102
Goldie(b)			107	111	111
Williams(b)	112	108	111	99	104
Minnie(b)			101	109	103
Bilby(b)	101	103	104	105	113
Kowari(b)	101	98	97	101	101
Mitika(b)	97	93	94	97	97
Sowing date	**19 May**	**16 May**	**23 May**	**19 May**	**3 Jun**
Rainfall J–M (mm)	**157**	**204**	**403**	**283**	**86**
Rainfall A–O (mm)	**378**	**228**	**720**	**383**	**299**

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

Table 2: Merriwagga oat.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**3.60**	**4.53**	**5.62**	**2.50**	**3.85**
Goldie(b)			104	109	108
Minnie(b)			102	108	105
Archer(b)*				96	96
Bannister(b)	106	107	107	97	106
Koala(b)	101	108	112	88	107
Bilby(b)	112	105	101	112	98
Williams(b)	101	105	107	96	100
Wallaby(b)				82	96
Kowari(b)	102	99	98	104	98
Mitika(b)	95	95	96	101	96
Sowing date	**12 May**	**18 May**	**19 May**	**17 May**	**20 May**
Rainfall J–M (mm)	**170**	**144**	**133**	**160**	**86**
Rainfall A–O (mm)	**239**	**286**	**469**	**135**	**272**

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

Table 3: Wagga Wagga oat.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**5.94**	**4.52**	**5.32**	**3.77**	**4.82**
Goldie(b)			107	111	111
Minnie(b)			101	112	110
Wallaby(b)				96	94
Koala(b)	114	102	119	99	99
Bannister(b)	109	108	112	103	103
Bilby(b)	105	112	102	105	105
Archer(b)*				91	94
Williams(b)	106	99	113	96	97
Kowari(b)	101	103	95	102	102
Mitika(b)	96	94	92	98	98
Sowing date	**18 May**	**16 May**	**19 May**	**11 May**	**13 May**
Rainfall J–M (mm)	**123**	**267**	**229**	**188**	**117**
Rainfall A–O (mm)	**408**	**267**	**498**	**257**	**276**

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

Oat variety disease ratings – New South Wales

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

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

Table 4: Oat disease guide for New South Wales.

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

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

CANOLA

New canola varieties

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

Variety	Breeding company	End point royalty* ($)	Comments supplied by breeding company[1]
DG Buller G	Nutrien Ag Solutions Ltd	N/A	DG Buller G will be available to growers in 2025. It is a 5 series, Optimum GLY® hybrid. DG Buller G is medium height with good standability. It has good oil content.
InVigor® LR 3540P	BASF Australia Ltd	N/A	InVigor® LR 3540P is an early maturing hybrid with PodGuard®. InVigor® LR 3540P contains dual herbicide tolerance to Liberty® and Truflex®. InVigor® LR 3540P combines the flexibility of PodGuard® and dual herbicide tolerance with early maturity. InVigor® LR 3540P is suited to lower-rainfall and shorter-season areas.
InVigor® LR 5040P	BASF Australia Ltd	N/A	InVigor® LR5040P is a mid-season hybrid with PodGuard®. InVigor® LR5040P contains dual herbicide tolerance to Liberty® and Truflex®. InVigor® LR5040P combines the flexibility of PodGuard® and dual herbicide tolerance with high yield and oil results. InVigor® LR5040P is suited to mid-season growing regions.
Monola® H524TT	Nuseed Pty Ltd	N/A	Monola® H524TT is an early-mid maturing Monola® TT hybrid with excellent early vigour. It is Nuseed's second Monola® TT hybrid with improved yield and oil profile. It has demonstrated competitive yield and oil content to commercial canola TT hybrids during trials and exhibits strong early vigour and good early biomass. Suited to medium to slow canola growing regions, Monola® H524TT demonstrates good harvestability. Limited commercial release in 2024.
Nuseed® Griffon TTI	Nuseed Pty Ltd	N/A	Nuseed® Griffon TTI is Nuseed's first dual-herbicide hybrid canola, with triazine and IMI tolerance for flexible, effective crop protection. It is an early-mid maturing variety ideal for target yield environments of 0.5 to 3t/ha, which ensures fast pod development to safeguard yield. Commercial release in 2025. Rapid pod development for higher yields and a shorter growing season.
Pioneer® PN526C	Pioneer	N/A	Pioneer® PN526C (coded HH29901) is a mid-maturing specialty oil Clearfield® hybrid. Suited to medium to high rainfall zones, it is medium in height. First tested in NVT 2022. Marketed by Pioneer Seeds.
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.

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

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

Canola variety yield performance – Southern New South Wales

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: Beckom med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.84	3.25	2.94	2.09	
InVigor® LR 5040P			103	109	No trial
InVigor® R 4520P	106	109	100	109	
InVigor® LR 4540P			93	112	
Nuseed® Hunter TF			94	111	
Nuseed® Eagle TF			111	101	
Pioneer® 44Y30 RR		108	103	104	
Nuseed® Raptor TF	101	105	97	103	
Hyola® Regiment XC		107	88	109	
Pioneer® 44Y27 RR	98	109	92	104	
Pioneer® PY422G				95	
Sowing date	**24 Apr**	**5 May**	**24 Apr**	**26 Apr**	
Rainfall J–M (mm)	**122**	**261**	**187**	**140**	
Rainfall A–O (mm)	**366**	**276**	**450**	**192**	

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

Table 2: Cootamundra med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.95	3.62	2.15	3.21	3.33
Pioneer® PY428R				114	117
Hyola® Regiment XC		109	114	108	108
InVigor® R 4520P	108	110	98	108	115
Nuseed® Hunter TF			110	106	111
InVigor® LR 4540P			100	106	114
InVigor® LR 5040P			91	108	116
Nuseed® Eagle TF		104	118	104	99
Pioneer® PY525G				107	102
Nuseed® Raptor TF		102	114	101	100
DG Buller G					97
Sowing date	**17 Apr**	**23 Apr**	**2 May**	**27 Apr**	**23 Apr**
Rainfall J–M (mm)	**174**	**301**	**188**	**153**	**220**
Rainfall A–O (mm)	**485**	**425**	**640**	**292**	**273**

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 3: Gerogery med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.21	3.37	2.22	3.24	2.34
Pioneer® PY428R				112	120
InVigor® LR 5040P			108	106	114
InVigor® R 4520P	125	105	105	106	117
InVigor® LR 4540P			107	101	121
Nuseed® Hunter TF			106	102	120
Pioneer® PY525G				110	98
Nuseed® Eagle TF		106	107	105	102
Hyola® Regiment XC		110	91	105	122
Pioneer® PY424GC				95	100
Nuseed® Raptor TF		104	102	100	107
Sowing date	**27 Apr**	**30 Apr**	**23 Apr**	**30 Apr**	**31 May**
Rainfall J–M (mm)	**157**	**204**	**375**	**283**	**86**
Rainfall A–O (mm)	**378**	**228**	**697**	**383**	**299**

Special thanks to 2024 trial cooperator, Daniel Moll.
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: Lockhart med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.51	2.79	3.60	2.75	2.33
Pioneer® PY428R					119
InVigor® LR 5040P			111	110	120
InVigor® R 4520P	102	99	108	106	116
Nuseed® Eagle TF			106	102	98
Pioneer® PY422G				104	98
InVigor® LR 4540P			102	103	113
Nuseed® Hunter TF		97	100	100	107
DG Buller G					95
Hyola® Regiment XC		105	95	92	104
VICTORY® V55-04TF		101			97
Sowing date	**23 Apr**	**12 May**	**26 Apr**	**27 Apr**	**26 Apr**
Rainfall J–M (mm)	**250**	**255**	**383**	**153**	**76**
Rainfall A–O (mm)	**446**	**239**	**371**	**232**	**209**

Special thanks to 2024 trial cooperator.
Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC.
Learn more via the NVT Long Term Yield Reporter

Table 5: Mayrung med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					3.59
InVigor® LR 5040P	No trial	No trial	No trial	No trial	109
Pioneer® PY428R					109
InVigor® R 4520P					106
InVigor® LR 4540P					103
Nuseed® Eagle TF					102
Pioneer® PY422G					102
DG Buller G					101
Nuseed® Hunter TF					101
DG Hotham TF					98
VICTORY® V55-04TF					98
Sowing date					**19 Apr**
Rainfall J–M (mm)					**49**
Rainfall A–O (mm)					**212**
Irrigation A–O (mm)					**200**

Special thanks to 2024 trial cooperator.
Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC.
Learn more via the NVT Long Term Yield Reporter

Table 6: Temora med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.35	3.08	1.77	2.03	
Pioneer® PY428R				114	Compromised trial
Hyola® Regiment XC		108	105	113	
Pioneer® PY525G				100	
Pioneer® 45Y28 RR		106	110	106	
Nuseed® Eagle TF			108	103	
InVigor® R 4520P	103	105	109	111	
Nuseed® Hunter TF			104	113	
InVigor® LR 5040P			109	109	
InVigor® LR 4540P			104	113	
Nuseed® Raptor TF	102	104	100	105	
Sowing date	**21 Apr**	**7 May**	**3 May**	**24 Apr**	**19 Apr**
Rainfall J–M (mm)	**179**	**303**	**254**	**229**	**177**
Rainfall A–O (mm)	**429**	**331**	**610**	**219**	**225**

Special thanks to 2024 trial cooperator, Brad Booker.
Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Regiment XC, Pioneer® PY424GC.
Learn more via the NVT Long Term Yield Reporter

Table 7: Wagga Wagga med-high rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.12	4.22	3.08	3.14	
Pioneer® PY428R				110	No trial
InVigor® LR 5040P			110	109	
InVigor® R 4520P	105	109	109	107	
Pioneer® 45Y28 RR	109	107	107	103	
Pioneer® PY525G				105	
Hyola® Regiment XC		109	103	101	
InVigor® LR 4540P			105	105	
Nuseed® Hunter TF			104	103	
Nuseed® Eagle TF		105	105	101	
Pioneer® 44Y30 RR	98	105	103	101	
Sowing date	**17 Apr**	**21 Apr**	**22 Apr**	**20 Apr**	
Rainfall J–M (mm)	**123**	**267**	**229**	**188**	
Rainfall A–O (mm)	**408**	**267**	**498**	**257**	

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

Table 8: Oaklands low-med rainfall GLY.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.24	3.67	2.62	2.49	1.92
Nuseed® Hunter TF		109	109	108	111
InVigor® LR 4540P			114	107	106
InVigor® R 4520P	105	107	114	103	100
Pioneer® PY428R					113
Hyola® Regiment XC		101		106	111
Nuseed® Raptor TF	100	101	111	100	96
Pioneer® 44Y27 RR	102	103	101	101	100
Pioneer® PY424GC				100	98
DG Buller G					96
InVigor® LR 3540P			98	93	87
Sowing date	**22 Apr**	**27 Apr**	**21 Apr**	**24 Apr**	**17 Apr**
Rainfall J–M (mm)	**197**	**125**	**196**	**99**	**45**
Rainfall A–O (mm)	**365**	**231**	**482**	**258**	**193**

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 9: Beckom med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.88	3.13	2.96	1.93	1.90
Pioneer® PY421C				115	123
Pioneer® 45Y95 CL			124	109	108
Pioneer® 44Y94 CL	110	113	120	110	109
Pioneer® PY327C				110	113
Hyola® Solstice CL		111	88	113	127
Hyola® Continuum CL			116	99	87
Pioneer® 43Y92 CL	101	106	101	104	101
Nuseed® Ceres IMI		111	70	112	130
Pioneer® PY520TC			109	90	
VICTORY® V75-03CL	92	94		92	79
Sowing date	**24 Apr**	**5 May**	**24 Apr**	**26 Apr**	**29 Apr**
Rainfall J–M (mm)	**122**	**261**	**187**	**140**	**156**
Rainfall A–O (mm)	**366**	**276**	**450**	**192**	**248**

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

Table 10: Cootamundra med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.94	3.25		3.24	2.80
Pioneer® PY421C			Compromised trial	114	121
Pioneer® 45Y95 CL		115		111	110
Hyola® Solstice CL				110	112
Pioneer® 44Y94 CL	109	114		109	112
Hyola® Equinox CL	107	108			
Pioneer® 45Y93 CL	106	108		107	
Hyola® Continuum CL				99	97
Pioneer® PY520TC				96	
VICTORY® V75-03CL	91	87		90	84
Pioneer® PN526C				82	
Sowing date	**17 Apr**	**23 Apr**	**2 May**	**27 Apr**	**23 Apr**
Rainfall J–M (mm)	**174**	**301**	**188**	**153**	**220**
Rainfall A–O (mm)	**485**	**425**	**640**	**292**	**273**

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

Table 11: Gerogery med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.98	3.27	2.25	3.20	2.10
Pioneer® PY421C			124	114	124
Pioneer® 44Y94 CL	120	109	123	109	113
Pioneer® 45Y95 CL		113	122	113	113
Pioneer® 45Y93 CL	118	106	120	112	
Hyola® Solstice CL			94	106	131
Hyola® Continuum CL			117	101	93
Hyola® Equinox CL	84	107			
Pioneer® PY520TC			96	101	
VICTORY® V75-03CL	77	93		90	85
Pioneer® PN526C			86	88	
Sowing date	**27 Apr**	**30 Apr**	**23 Apr**	**30 Apr**	**31 May**
Rainfall J–M (mm)	**157**	**204**	**375**	**283**	**86**
Rainfall A–O (mm)	**378**	**228**	**697**	**383**	**299**

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

Table 12: Lockhart med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.49	2.85	3.68	2.62	2.46
Pioneer® PY421C				114	116
Pioneer® 45Y95 CL		106	117	111	106
Pioneer® 44Y94 CL	108	101	116	112	108
Hyola® Continuum CL			108	107	96
Pioneer® PY327C				104	106
Pioneer® PY520TC			103	102	
Pioneer® 43Y92 CL	101	98	100	100	99
Hyola® Solstice CL		104	95	92	105
Nuseed® Ceres IMI			86	87	106
VICTORY® V75-03CL	96	97		91	85
Sowing date	**23 Apr**	**12 May**	**26 Apr**	**27 Apr**	**26 Apr**
Rainfall J–M (mm)	**250**	**255**	**383**	**153**	**76**
Rainfall A–O (mm)	**446**	**239**	**371**	**232**	**209**

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

Table 13: Mayrung med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					3.61
Pioneer® PY421C	No trial	No trial	No trial	No trial	113
Pioneer® 45Y95 CL					110
Pioneer® 44Y94 CL					110
Hyola® Continuum CL					105
Pioneer® PY327C					104
Pioneer® 43Y92 CL					101
Hyola® Solstice CL					96
VICTORY® V75-03CL					92
Nuseed® Ceres IMI					91
Sowing date					**19 Apr**
Rainfall J–M (mm)					**49**
Rainfall A–O (mm)					**212**
Irrigation A–O (mm)					**200**

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

Table 14: Temora med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.35	3.08	1.86	1.96	
Pioneer® PY421C			120	118	Compromised trial
Pioneer® 45Y95 CL		111	118	112	
Hyola® Solstice CL			106	117	
Pioneer® 44Y94 CL	107	109	115	111	
Pioneer® 45Y93 CL		104	117	100	
Hyola® Equinox CL	108	106			
Hyola® Continuum CL			104	98	
Pioneer® PY520TC			99	89	
VICTORY® V75-03CL	90	95		90	
Pioneer® PN526C			82	72	
Sowing date	**21 Apr**	**7 May**	**3 May**	**24 Apr**	**19 Apr**
Rainfall J–M (mm)	**179**	**303**	**254**	**229**	**177**
Rainfall A–O (mm)	**429**	**331**	**610**	**219**	**225**

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

Table 15: Wagga Wagga med-high rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.46	3.63	2.97	2.72	1.53
Pioneer® PY421C			119	113	125
Pioneer® 45Y95 CL		118	115	108	118
Pioneer® 44Y94 CL	108	117	114	108	113
Pioneer® 45Y93 CL	111	107	114	109	
Hyola® Solstice CL			104	101	123
Hyola® Equinox CL	104	107			
Hyola® Continuum CL			103	101	91
Pioneer® PY520TC			98	99	
VICTORY® V75-03CL	90	90		90	78
Pioneer® PN526C			82	86	
Sowing date	**17 Apr**	**21 Apr**	**22 Apr**	**20 Apr**	**16 Apr**
Rainfall J–M (mm)	**123**	**267**	**229**	**188**	**117**
Rainfall A–O (mm)	**408**	**267**	**498**	**257**	**276**

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

Table 16: Oaklands low-med rainfall IMI.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.24	3.80	2.77	2.32	1.64
Pioneer® PY421C				115	120
Pioneer® 44Y94 CL		111	120	110	110
Pioneer® PY327C				105	106
Hyola® Equinox CL			86		
Hyola® Continuum CL			104	105	
Pioneer® 43Y92 CL	101	102	103	102	103
Nuseed® Ceres IMI		101	90	104	109
Hyola® Solstice CL		96		107	125
Pioneer® PY520TC				93	
VICTORY® V7002CL	94	95			
Sowing date	**22 Apr**	**27 Apr**	**21 Apr**	**24 Apr**	**17 Apr**
Rainfall J–M (mm)	**197**	**125**	**196**	**99**	**45**
Rainfall A–O (mm)	**365**	**231**	**482**	**258**	**193**

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

Table 17: Beckom med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.63	2.90	2.63	1.99	1.79
HyTTec® Trifecta	111	111	115	110	117
Pioneer® PY429T				106	101
Hyola® Blazer TT	110	108	124	106	104
HyTTec® Trophy	107	113	106	109	113
Pioneer® PY520TC			122	104	99
RGT Baseline® TT		97	127	99	100
SF Dynatron TT®	105	108	115	104	100
Hyola® Defender CT			129	99	87
InVigor® T 4511		109	98	107	114
HyTTec® Velocity			81	112	124
Sowing date	**24 Apr**	**5 May**	**24 Apr**	**26 Apr**	**29 Apr**
Rainfall J–M (mm)	**122**	**261**	**187**	**140**	**156**
Rainfall A–O (mm)	**366**	**276**	**450**	**192**	**248**

Special thanks to 2024 trial cooperator.
Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 18: Cootamundra med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.71	3.20	2.14	3.05	2.53
HyTTec® Trifecta	114	116	127	113	114
Hyola® Blazer TT	109	111	123	109	108
HyTTec® Trophy	108	111	119	107	110
Pioneer® PY429T				106	108
Pioneer® PY520TC		108	121	106	104
RGT Baseline® TT		107	111	108	105
InVigor® T 4511		108	109	105	109
SF Dynatron TT®	103	106	112	103	105
RGT Capacity TT	105	106	100	105	108
Hyola® Defender CT			113	102	99
Sowing date	**17 Apr**	**23 Apr**	**2 May**	**27 Apr**	**23 Apr**
Rainfall J–M (mm)	**174**	**301**	**188**	**153**	**220**
Rainfall A–O (mm)	**485**	**425**	**640**	**292**	**273**

Special thanks to 2024 trial cooperator.
Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 19: Gerogery med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.76	3.10	2.13	2.74	1.92
HyTTec® Trifecta	102	115	113	114	122
Pioneer® PY429T				107	106
Hyola® Blazer TT	111	109	120	111	108
HyTTec® Trophy	105	109	111	106	119
Pioneer® PY520TC		107	119	109	104
RGT Baseline® TT		107	112	114	96
SF Dynatron TT®	114	103	117	104	103
Hyola® Defender CT			122	107	90
RGT Capacity TT	113	103	104	106	105
InVigor® T 4511		106	103	104	116
Sowing date	**27 Apr**	**30 Apr**	**23 Apr**	**30 Apr**	**31 May**
Rainfall J–M (mm)	**157**	**204**	**375**	**283**	**86**
Rainfall A–O (mm)	**378**	**228**	**697**	**383**	**299**

Special thanks to 2024 trial cooperator, Daniel Moll.
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 20: Lockhart med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.38	2.61	3.25	2.46	2.37
RGT Baseline® TT			119	112	106
Hyola® Blazer TT	109	105	117	111	105
HyTTec® Trifecta	109	107	113	106	108
Hyola® Defender CT			118	114	100
Pioneer® PY429T				112	104
Pioneer® PY520TC			114	109	101
RGT Capacity TT	103	102	108	106	108
SF Dynatron TT®	104	99	110	108	102
HyTTec® Trophy	105	101	106	103	105
DG Bidgee TT$^{\phi}$		108	107	104	94
Sowing date	**23 Apr**	**12 May**	**26 Apr**	**27 Apr**	**26 Apr**
Rainfall J–M (mm)	**250**	**255**	**383**	**153**	**76**
Rainfall A–O (mm)	**446**	**239**	**371**	**232**	**209**

Special thanks to 2024 trial cooperator.
Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 21: Mayrung med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)					3.63
Hyola® Defender CT	No trial	No trial	No trial	No trial	110
Pioneer® PY429T					109
Hyola® Blazer TT					109
RGT Baseline® TT					109
Pioneer® PY520TC					107
SF Dynatron TT®					106
HyTTec® Trifecta					106
RGT Capacity TT					105
Renegade TT$^{\phi}$					104
HyTTec® Trophy					103
Sowing date					**19 Apr**
Rainfall J–M (mm)					**49**
Rainfall A–O (mm)					**212**
Irrigation A–O (mm)					**200**

Special thanks to 2024 trial cooperator.
Yield performance of 'stacked' varieties with tolerances to multiple herbicide systems should not be compared to varieties in trials where the variety has not specifically been tested, even for the same location. The following varieties were included in this trial, but have not been tested in other herbicide trials at this location: Hyola® Defender CT, Nuseed® Griffon TTI, Pioneer® PY520TC.
Learn more via the NVT Long Term Yield Reporter

Table 22: Temora med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	3.06	2.74	1.62	1.94	
HyTTec® Trifecta	120	112	119	114	Compromised trial
Hyola® Blazer TT	112	109	117	108	
RGT Baseline® TT			117	101	
HyTTec® Trophy	106	109	110	112	
Pioneer® PY520TC			113	105	
Pioneer® PY429T				107	
InVigor® T 4511		106	105	109	
InVigor® T 6010	112	100	111	98	
RGT Capacity TT	106	102	108	104	
DG Bidgee TT$^{\phi}$		99	106	94	
Sowing date	**21 Apr**	**7 May**	**3 May**	**24 Apr**	**19 Apr**
Rainfall J–M (mm)	**179**	**303**	**254**	**229**	**177**
Rainfall A–O (mm)	**429**	**331**	**610**	**219**	**225**

Special thanks to 2024 trial cooperator, Brad Booker.
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 23: Wagga Wagga med-high rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**2.89**	**3.80**	**2.97**	**2.75**	**1.52**
HyTTec® Trifecta	116	116	113	107	124
Hyola® Blazer TT	111	112	112	107	112
RGT Baseline® TT		105	112	108	115
Pioneer® PY429T				106	104
HyTTec® Trophy	106	113	107	104	111
Pioneer® PY520TC		110	109	105	107
RGT Capacity TT	106	104	106	105	111
InVigor® T 4511		108	104	102	110
Hyola® Defender CT			109	105	98
SF Dynatron TT®	102	108	106	104	101
Sowing date	**17 Apr**	**21 Apr**	**22 Apr**	**20 Apr**	**16 Apr**
Rainfall J–M (mm)	**123**	**267**	**229**	**188**	**117**
Rainfall A–O (mm)	**408**	**267**	**498**	**257**	**276**

Special thanks to 2024 trial cooperator, Ben Langtry.
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 24: Oaklands low-med rainfall TT.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**3.19**	**3.39**	**2.47**	**2.35**	**1.71**
Hyola® Blazer TT	109		120	112	115
HyTTec® Trophy	107	110	113	111	114
HyTTec® Trident	107	110	107	108	111
SF Dynatron TT®	106		113	107	107
Hyola® Defender CT			116	105	105
HyTTec® Velocity	107		95	109	117
Pioneer® PY520TC				104	103
Nuseed® Griffon TTI				107	112
InVigor® T 4511		104	104	105	108
InVigor® LT 4530P	102	105	115	98	90
Sowing date	**22 Apr**	**27 Apr**	**21 Apr**	**24 Apr**	**17 Apr**
Rainfall J–M (mm)	**197**	**125**	**196**	**99**	**45**
Rainfall A–O (mm)	**365**	**231**	**482**	**258**	**193**

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 25: 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 25: 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.
Please check updated ratings using the Blackleg Management Guide or the NVT Disease Ratings.

CHICKPEA

Chickpea variety yield performance – Southern New South Wales

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: Rankins Springs desi chickpea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**2.17**	**2.33**	**2.09**	**1.30**	**2.08**
CBA Captain(b)	102	99	121	99	100
Neelam(b)	100		102	101	105
PBA Striker(b)	100	110	96	97	106
Genesis® 836					98
PBA Maiden	96	100	95	95	103
PBA Slasher(b)	99	106	83	97	103
Genesis® 090			109	97	99
PBA Seamer(b)	90	76	91	86	94
PBA Boundary(b)	86	78	83	83	
Sowing date	**8 May**	**18 May**	**9 May**	**9 May**	**20 May**
Rainfall J–M (mm)	**151**	**173**	**275**	**125**	**133**
Rainfall A–O (mm)	**280**	**291**	**449**	**220**	**258**

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

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

Chickpea variety disease ratings – New South Wales

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

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

Table 2: Chickpea disease guide for New South Wales.

Variety	Ascochyta blight (pathogen group 1 – south)	Ascochyta blight (pathogen group 2 – north)	2022-23 Phytophthora root rot	RLN resistance (*Pratylenchus thornei*)	RLN tolerance (*Pratylenchus thornei*)	RLN resistance (*Pratylenchus neglectus*)	RLN tolerance (*Pratylenchus neglectus*)
DESI							
CBA Captain[Φ]	S	MS (P)	S	MS	MT	MR	MT
Genesis® 836	S	S		MS	MT	MR	MII
Kyabra[Φ]	VS	VS	VS	S	MT	MRMS	MT
Neelam[Φ]	S	S		MS	MTMI	MRMS	MI
PBA Boundary[Φ]	S	S	VS	MRMS	MT	RMR	MTMI
PBA Drummond[Φ]	VS	VS	VS	MRMS	TMT	MR	TMT
PBA HatTrick[Φ]	S	S	S	MRMS	MTMI	MRMS	MT
PBA Maiden	S	S		MRMS	MII	MRMS	MI
PBA Pistol[Φ]	S	VS		MRMS	MII	RMR	T
PBA Seamer[Φ]	S	MS	S	MRMS	MTMI	MRMS	MTMI
PBA Slasher[Φ]	S	S		MRMS	MT	MRMS	MI
PBA Striker[Φ]	S	S		MRMS	TMT	MRMS	MI
KABULI							
Almaz[Φ]	S	MS		S	I	MRMS	MI
Genesis® 090	MS	MS		MS	MII	MRMS	IVI
Genesis® Kalkee	S	S		MS	MI	MRMS	VI
PBA Magnus[Φ]	S	MS		MSS	IVI	MRMS	MI
PBA Monarch[Φ]	S	MS (P)		MS	I	MRMS	IVI
PBA Royal[Φ]	MS	MS		MS	MI	MR (P)	MII

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 – Southern New South Wales

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: Lockhart faba bean.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	**4.33**	**4.80**	**3.34**	**1.91**	**2.46**
PBA Nasma(Ф)				127	102
FBA Ayla(Ф)				112	98
PBA Marne(Ф)	96	103	95	106	91
PBA Samira(Ф)	98	92	110	89	100
PBA Amberley(Ф)	95	91		89	105
PBA Zahra(Ф)	93	90		88	101
Fiesta VF	97	93	93	93	88
Farah	94	89	95	88	89
PBA Bendoc(Ф)*	87	91	75	93	101
PBA Rana		81	80	78	75
Sowing date	**21 Apr**	**26 Apr**	**26 May**	**28 Apr**	**18 Apr**
Rainfall J–M (mm)	**142**	**248**	**383**	**174**	**75**
Rainfall A–O (mm)	**401**	**343**	**371**	**217**	**165**

Special thanks to 2024 trial cooperator.

* herbicide-tolerant variety. Learn more via the NVT Long Term Yield Reporter

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

Faba bean variety disease ratings – New South Wales

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

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

Table 2: Faba bean disease guide for New South Wales.

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

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

FIELD PEA

Field pea variety yield performance – Southern New South Wales

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: Brocklesby field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.33	2.35	1.49	2.66	
APB Bondi[Φ]	116	109	108	120	
PBA Butler[Φ]	111	112	114	116	
PBA Taylor[Φ]	114	106	97	113	
PBA Pearl	96	106	133	102	
PBA Noosa[Φ]	105	104	105	106	
Kaspa	109	104	93	108	No trial
PBA Wharton[Φ]	103	97	89	101	
Sturt	94	95	106	92	
PBA Percy	87	100	115	86	
PBA Oura[Φ]	91	96	105	91	
Sowing date	**28 May**	**29 May**	**1 Jun**	**2 Jun**	
Rainfall J–M (mm)	**142**	**151**	**245**	**247**	
Rainfall A–O (mm)	**401**	**365**	**514**	**417**	

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

Table 2: Deniliquin field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.32	1.90	1.01	1.57	1.83
APB Bondi[Φ]	110	97	116	114	113
PBA Taylor[Φ]	112	98	100	114	116
PBA Pearl	94	108	153	96	94
PBA Noosa[Φ]	105	101	110	106	107
PBA Butler[Φ]	102	104	115	104	99
Kaspa	106	99	87	106	105
PBA Wharton[Φ]	105	95	88	106	109
PBA Oura[Φ]	95	103	109	94	96
PBA Percy	90	111	119	87	88
GIA Ourstar[Φ]*	81	98	83	78	75
Sowing date	**27 May**	**28 May**	**25 May**	**30 May**	**17 May**
Rainfall J–M (mm)	**122**	**90**	**73**	**39**	**49**
Rainfall A–O (mm)	**308**	**249**	**471**	**238**	**212**

Special thanks to 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: Rankins Springs field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.46		2.53	0.97	1.47
PBA Pearl	109	Compromised trial	133	109	85
PBA Butler(Ф)	112		113	111	108
APB Bondi(Ф)	108		100	120	116
PBA Noosa(Ф)	103		104	107	109
PBA Percy	101		125	89	88
PBA Taylor(Ф)	102		93	112	123
Kaspa	102		94	103	115
PBA Oura(Ф)	97		108	94	90
PBA Wharton(Ф)	95		86	101	107
GIA Ourstar(Ф)*	88		95	75	59
Sowing date	**8 May**	**18 May**	**19 May**	**18 May**	**20 May**
Rainfall J–M (mm)	**151**	**173**	**275**	**125**	**133**
Rainfall A–O (mm)	**280**	**291**	**449**	**220**	**258**

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

Table 4: Temora field pea.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.16	1.98	1.26	1.31	
PBA Pearl	110	129	146	108	Trial failed
APB Bondi(Ф)	121	122	129	109	
PBA Butler(Ф)	114	122	134	106	
PBA Taylor(Ф)	112	105	100	105	
PBA Noosa(Ф)	107	106	105	104	
Kaspa	104	98	95	100	
Sturt	100	99	94	102	
PBA Oura(Ф)	93	96	95	98	
PBA Wharton(Ф)	101	92	85	100	
PBA Percy	88	97	96	97	
Sowing date	**19 May**	**25 May**	**25 May**	**22 May**	**14 May**
Rainfall J–M (mm)	**179**	**303**	**254**	**229**	**177**
Rainfall A–O (mm)	**429**	**331**	**610**	**219**	**225**

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

Field pea variety disease ratings – New South Wales

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

Selected varieties of most relevance to New South Wales 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 New South Wales.

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

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

LENTIL

Lentil variety yield performance – Southern New South Wales

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: Wagga Wagga lentil.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	2.36	0.88	3.49	2.18	1.85
GIA Thunder(ɒ)*	126	119	115	110	109
ALB Terrier(ɒ)*		115	112	108	102
PBA Jumbo2(ɒ)	126	112	104	103	103
GIA Lightning(ɒ)*	97	107	110	110	111
PBA KelpieXT(ɒ)*	129	104	91	97	101
PBA Hurricane XT(ɒ)*	105	102	99	100	99
PBA HighlandXT(ɒ)*	100	98	101	99	102
GIA Leader(ɒ)*	96	102	101	100	94
PBA Hallmark XT(ɒ)*	93	96	103	96	94
PBA Bolt(ɒ)	88	95	96	101	106
Sowing date	**25 May**	**21 May**	**23 May**	**18 May**	**24 May**
Rainfall J–M (mm)	**123**	**267**	**229**	**188**	**117**
Rainfall A–O (mm)	**408**	**267**	**498**	**257**	**276**

Special thanks to 2024 trial cooperator, Hart Bros Seeds.

* 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

Lentil variety disease ratings – New South Wales

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

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

Table 2: Lentil disease guide for New South Wales.

Variety	Ascochyta blight (Pathotype 2 PBA Hurricane XTΦ virulent)	Ascochyta blight (Pathotype 1 NipperΦ virulent)	Botrytis grey mould	RLN resistance (*Pratylenchus neglectus*)	RLN resistance (*Pratylenchus thornei*)
IMI-TOLERANT					
ALB TerrierΦ	MR	R	MRMS	MRMS (P)	MRMS
GIA LeaderΦ	MR	MR	MRMS	MRMS (P)	MR (P)
GIA LightningΦ	MRMS (P)	R (P)	MS	MRMS (P)	MR (P)
GIA MetroΦ	RMR	MR	MRMS	MRMS	MRMS (P)
GIA SireΦ	MRMS (P)	R (P)	MS	MRMS	MRMS (P)
GIA ThunderΦ	MRMS (P)	R (P)	MRMS	MRMS	MR (P)
PBA Hallmark XTΦ	MRMS	RMR	MRMS	MR	MRMS
PBA HighlandXTΦ	MR	MR	MS	MRMS	MRMS
PBA Hurricane XTΦ	MRMS (P)	RMR	MS	MRMS	MRMS
PBA KelpieXTΦ	MRMS	MRMS	MS	MRMS	MRMS
CONVENTIONAL					
PBA BoltΦ	MRMS	MR	S	MR	MR
PBA Jumbo2Φ	RMR	R	MS	MR	MRMS

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

LUPIN

Lupin variety yield performance – Southern New South Wales

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: Ariah Park narrow-leaf lupin.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	1.38	2.33	3.14	0.75	
Coyote[Φ]	137	109	95	122	
PBA Bateman[Φ]	129	95	107	117	
PBA Gunyidi[Φ]	115	95	108	110	
PBA Jurien[Φ]	97	93	116	104	
PBA Barlock[Φ]	99	89	118	103	
Jenabillup[Φ]	92		114	99	No trial
Rosemont[Φ]			101		
Quilinock	99	94	105		
Mandelup[Φ]	95	99	103	98	
Wonga	111	89	102	100	
Sowing date	**22 Apr**	**6 May**	**10 May**	**22 May**	
Rainfall J–M (mm)	**124**	**246**	**187**	**256**	
Rainfall A–O (mm)	**354**	**282**	**449**	**229**	

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

Table 2: Harden narrow-leaf lupin.

Year	2020	2021	2022	2023	2024
Mean yield (t/ha)	4.14	3.98	3.92	2.04	2.12
Coyote[Φ]	117	92	105	103	115
PBA Bateman[Φ]	110	99	100	108	118
PBA Jurien[Φ]	100	102	106	110	107
PBA Barlock[Φ]	99	104	102	111	110
PBA Gunyidi[Φ]	104	101	100	107	112
Rosemont[Φ]			111		98
Jenabillup[Φ]	97		102	107	104
Mandelup[Φ]	99	100	102	101	99
Lawler[Φ]		96	104		97
Gidgee[Φ]		95	107		94
Sowing date	**28 Apr**	**8 May**	**7 May**	**10 May**	**8 May**
Rainfall J–M (mm)	**107**	**363**	**197**	**156**	**210**
Rainfall A–O (mm)	**569**	**390**	**616**	**218**	**347**

Special thanks to 2024 trial cooperator, Ben Perceval.
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: Henty/Wagga Wagga narrow-leaf lupin.					
Year	2020	2021	2022	2023	2024
Mean yield (t/ha)			2.33	1.96	1.60
PBA Bateman[Ф]	Trial failed	Compromised trial	118	111	121
PBA Barlock[Ф]			119	107	115
PBA Gunyidi[Ф]			114	107	115
PBA Jurien[Ф]			114	109	110
Coyote[Ф]			104	114	110
Jenabillup[Ф]			112	104	108
Wonga			114	91	115
Mandelup[Ф]			100	101	99
Rosemont[Ф]			93		92
Lawler[Ф]			92		92
Sowing date	**16 May**	**14 May**	**29 May**	**8 May**	**6 May**
Rainfall J–M (mm)	**177**	**222**	**229**	**188**	**117**
Rainfall A–O (mm)	**404**	**282**	**498**	**257**	**276**

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

Lupin variety disease ratings – New South Wales

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

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

Table 4: Lupin disease guide for New South Wales.						
Variety	Anthracnose	Bean yellow mosaic virus (BYMV)	Cucumber mosaic virus (CMV)	Phomopsis pod infection	Phomopsis stem infection	Sclerotinia stem rot
Coromup[Ф]	MRMS	S (P)	MR	S	MR	S (P)
Coyote[Ф]	MS	MR (P)	MRMS	MRMS	S	S (P)
Gidgee[Ф]	MRMS	S (P)	MRMS	S	MR	S (P)
Jenabillup[Ф]	MRMS		MRMS	MR	MS	S (P)
Lawler[Ф]	MS	MS (P)	MRMS	MS	MR	S (P)
Mandelup[Ф]	MRMS	S (P)	MRMS	S	MR	S (P)
PBA Barlock[Ф]	S	MS (P)	MRMS	MR	MR	S (P)
PBA Bateman[Ф]	MRMS	MR (P)	MR	S	RMR	S (P)
PBA Gunyidi[Ф]	MS	MS (P)	MRMS	MRMS	RMR	S (P)
PBA Jurien[Ф]	MS	MRMS (P)	MS	MRMS	RMR	S (P)
PBA Leeman[Ф]	MR	S (P)	MRMS	MRMS	MR	S (P)
Rosemont[Ф]	MRMS (P)	MRMS (P)	MR	MRMS	MR	S (P)
Wonga	MS	MS (P)	MR	MR	MR	S (P)

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

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