Southern
New South Wales

March 2025

GRDC NATIONAL VARIETY TRIALS™

CELEBRATING 20 YEARS

# NVT HARVEST REPORT

## INTERIM VERSION

nvt.grdc.com.au

**Title:**
NVT Harvest Report Interim Version –
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

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## 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.

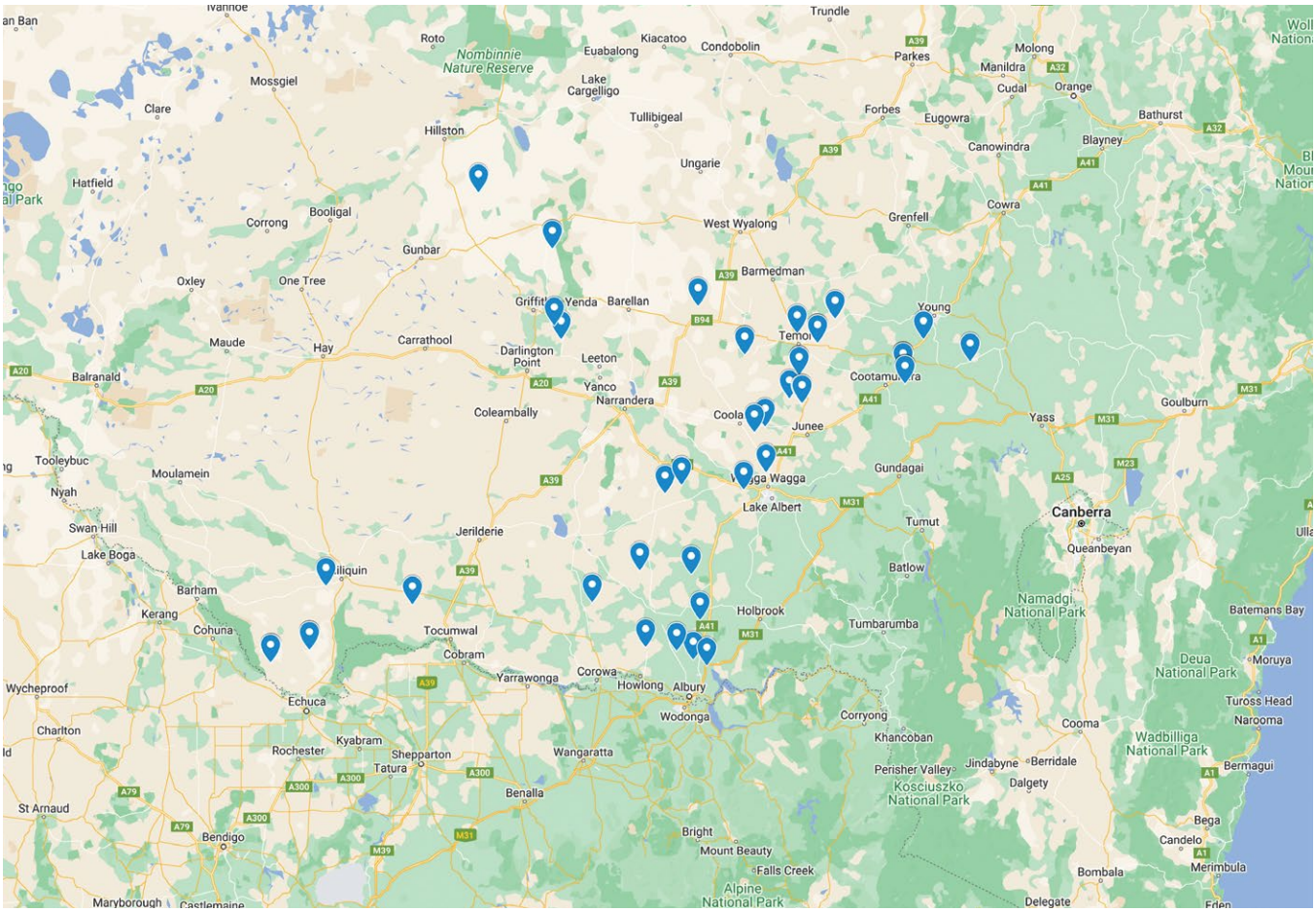
Established in 2005 by the Grains Research and Development Corporation (GRDC), the NVT program has evolved into the largest coordinated variety trial network in the world. Each year, more than 640 trials are conducted across over 300 locations nationwide, encompassing 10 different crop species. Over 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 National Advisory Committee who have been instrumental in this journey. Your dedication has delivered exceptional outcomes, advancing the productivity and profitability of Australian grain growers and strengthening the grains industry as a whole.

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

## NVT SITE LOCATIONS – 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(d) | APW | | | 100 | 121 | 112 |
| Shotgun(d) | | | | | 119 | 111 |
| Calibre(d) | APH | 106 | 109 | 100 | 120 | 110 |
| Brumby(d) | APW | | 107 | 101 | 115 | 109 |
| Boa(d) | | | | | | 106 |
| RGT Ponsford(d) | | | | | 110 | 106 |
| Ironbark(d) | | | | | 110 | 105 |
| Scepter(d) | AH | 103 | 106 | 99 | 113 | 109 |
| Boree(d) | APH | 101 | 108 | 99 | 111 | 108 |
| LRPB Matador(d) | AH | | | 96 | 111 | 108 |
| RockStar(d) | APH | 103 | 107 | 101 | 107 | 107 |
| Vixen(d) | APH | 98 | 110 | 96 | 110 | 111 |
| Ballista(d) | AH | 97 | 109 | 101 | 107 | 109 |
| Beckom(d) | AH | 107 | 102 | 103 | 110 | 103 |
| Leverage(d) | 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(d) | | | | | 113 | 127 |
| Tomahawk CL Plus(d) | APW | | | 103 | 113 | 127 |
| Calibre(d) | APH | 118 | 111 | 99 | 114 | 122 |
| Boa(d) | | | | | | 116 |
| LRPB Matador(d) | AH | | | 102 | 107 | 124 |
| Brumby(d) | APW | | 107 | 102 | 109 | 118 |
| RockStar(d) | APH | 103 | 105 | 106 | 111 | 116 |
| RGT Ponsford(d) | | | | | 110 | 112 |
| Vixen(d) | APH | 107 | 107 | 99 | 114 | 119 |
| Ironbark(d) | | | | | 106 | 112 |
| Scepter(d) | AH | 115 | 106 | 101 | 108 | 117 |
| Ballista(d) | AH | 104 | 109 | 104 | 109 | 114 |
| Boree(d) | APH | 105 | 106 | 100 | 114 | 114 |
| Leverage(d) | APH | | | | 107 | 103 |
| Sunmaster(d) | 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(d) | APH | 116 | 123 | 108 | 104 | |
| LRPB Scotch(d) | ASFT | | 128 | 112 | 90 | |
| Ironbark(d) | | | | | 108 | |
| Ballista(d) | AH | 102 | 113 | 107 | 112 | |
| Sunblade CL Plus(d) | APH | 111 | 115 | 102 | 106 | |
| EG Jet(d) | FEED | 105 | 123 | 107 | 85 | |
| LRPB Optimus(d) | | | | 104 | 93 | |
| Tomahawk CL Plus(d) | APW | | | 104 | 120 | |
| Kingston(d) | AH | | | 103 | 111 | |
| Shotgun(d) | | | | | 118 | |
| RGT Ponsford(d) | | | | | 110 | |
| Brumby(d) | APW | | 104 | 103 | 114 | |
| Scepter(d) | AH | 106 | 102 | 103 | 114 | |
| Genie(d) | 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** |

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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(d) | APH | | | | 99 | 102 |
| RGT Ponsford(d) | | | | | 106 | 105 |
| Shotgun(d) | | | | | 114 | 112 |
| RockStar(d) | APH | 110 | 106 | 101 | 104 | 106 |
| Tomahawk CL Plus(d) | APW | | | 92 | 116 | 113 |
| Ironbark(d) | | | | | 108 | 106 |
| Sunmaster(d) | APH | 106 | 106 | 104 | 105 | 104 |
| Suncentral(d) | APH | 105 | 106 | 109 | 102 | 101 |
| Ballista(d) | AH | 107 | 101 | 103 | 108 | 105 |
| LRPB Scotch(d) | ASFT | | 111 | 116 | 88 | 91 |
| Brumby(d) | APW | | 100 | 96 | 112 | 109 |
| Jumbuck(d) | AWW | | | | | 98 |
| Beckom(d) | AH | 103 | 102 | 102 | 106 | 106 |
| Boree(d) | 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** |

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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** |

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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 | | Compromised trial |
| 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** | |

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 | | Compromised trial |
| 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** | |

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.**

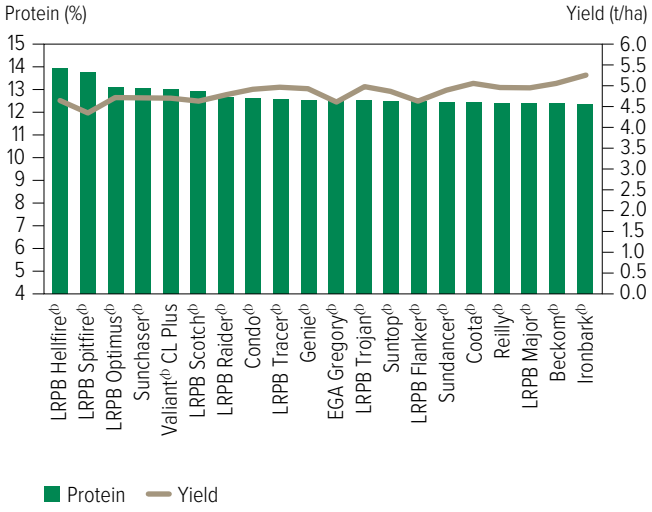



**Figure 2: Protein (%) and yield (t/ha) comparisons for main season wheat varieties from six NVT sites in Southern NSW in 2024.**

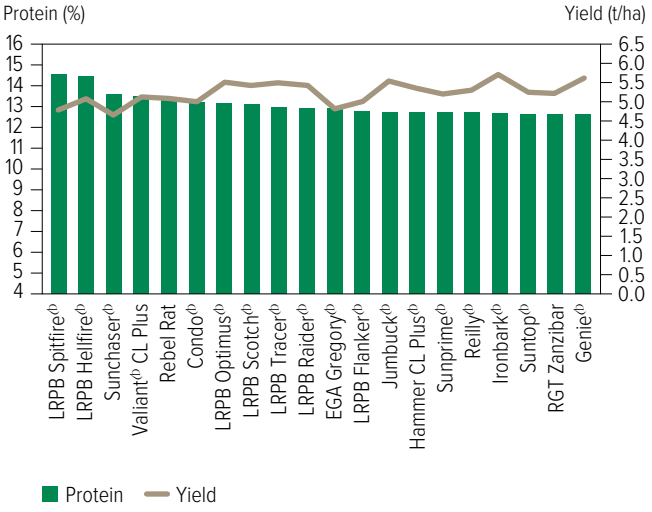



**Figure 3: Protein (%) and yield (t/ha) comparisons for early season wheat varieties from nine NVT sites in Southern NSW in 2023.**

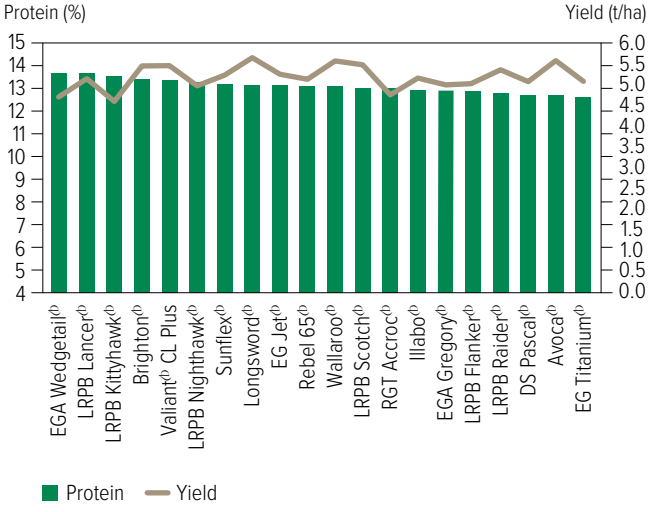



**Figure 4: Protein (%) and yield (t/ha) comparisons for early season wheat varieties from five NVT sites in Southern NSW in 2024.**

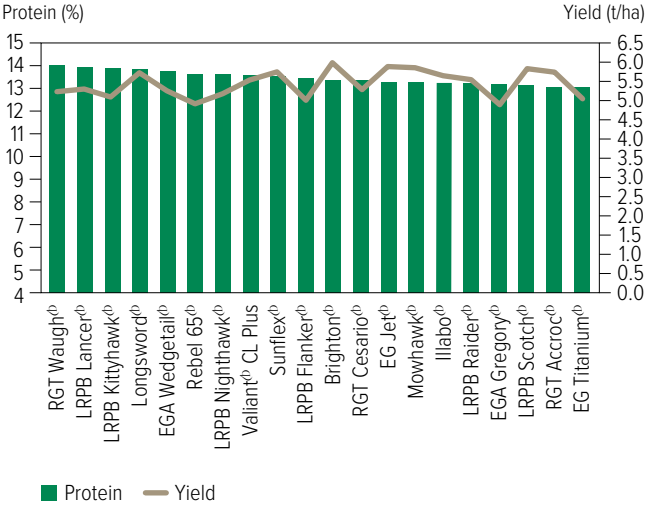


**Figure 5: Protein (%) and yield (t/ha) comparisons for long season wheat varieties from two NVT sites in Southern NSW in 2023.**

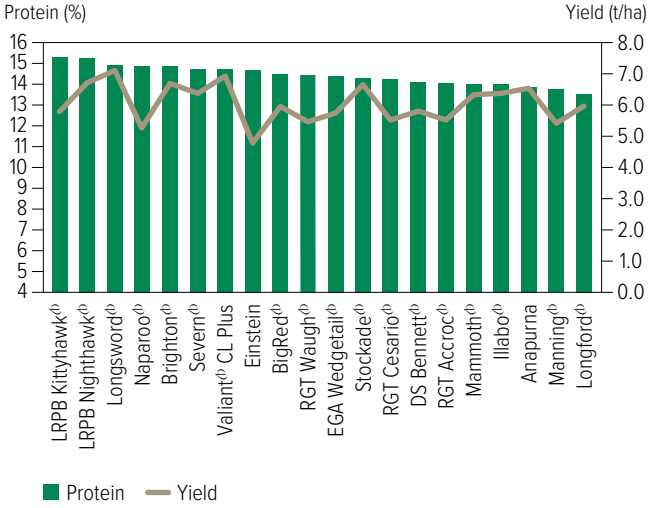



**Figure 6: Protein (%) and yield (t/ha) comparisons for long season wheat varieties from NVT sites in Southern NSW in 2024.**

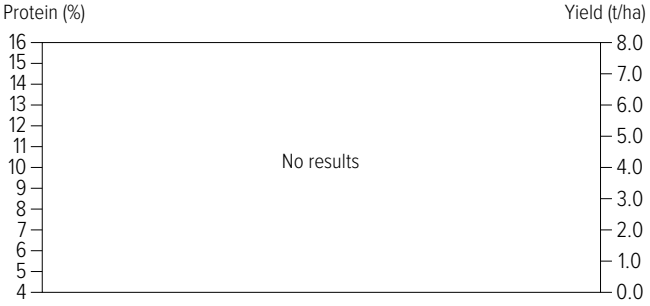



**Figure 7: Protein (%) and yield (t/ha) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2023.**

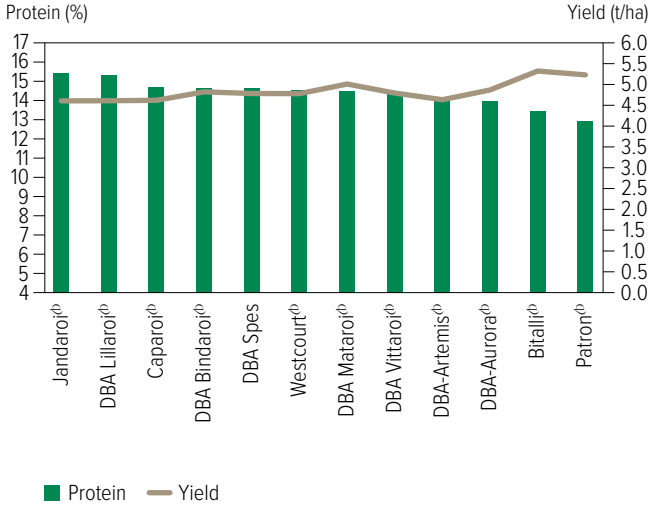
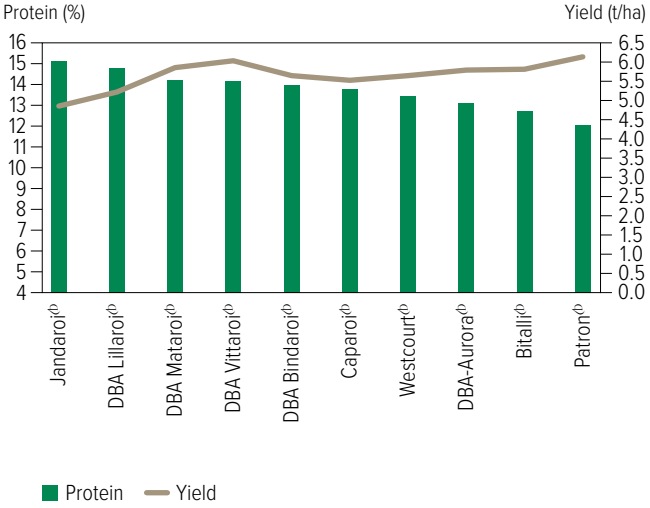



**Figure 8: Protein (%) and yield (t/ha) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2024.**




## Test weight comparisons

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

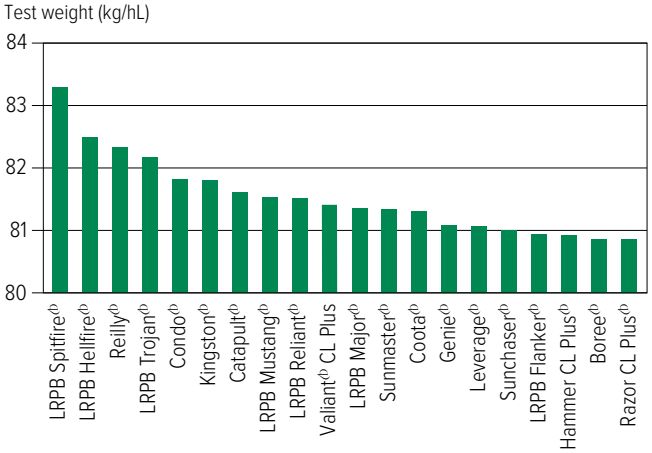



**Figure 10: Test weight (kg/hL) comparisons for main season wheat varieties from six NVT sites in Southern NSW in 2024.**

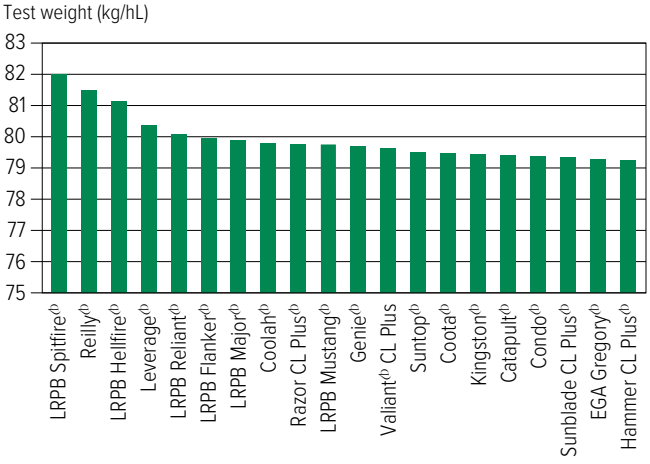


**Figure 11: Test weight (kg/hL) comparisons for early season wheat varieties from nine NVT sites in Southern NSW in 2023.**

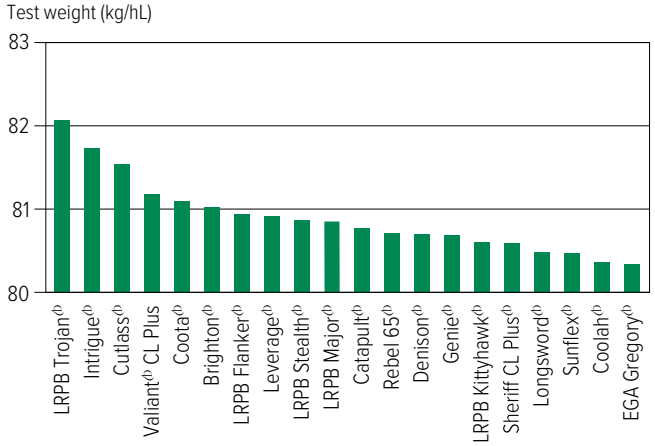



**Figure 12: Test weight (kg/hL) comparisons for early season wheat varieties from five NVT sites in Southern NSW in 2024.**

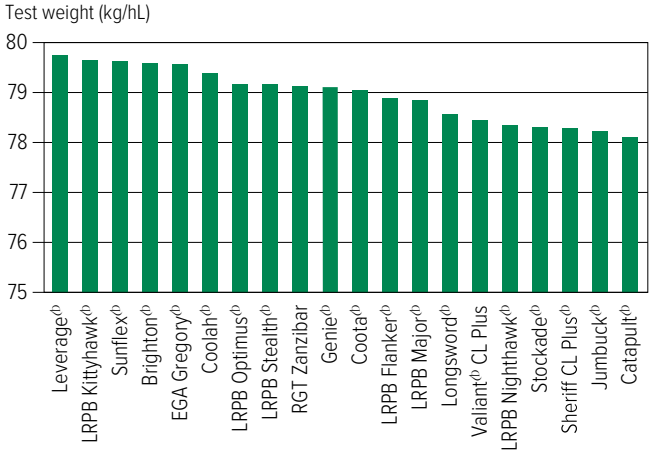



**Figure 13: Test weight (kg/hL) comparisons for long season wheat varieties from two NVT sites in Southern NSW in 2023.**

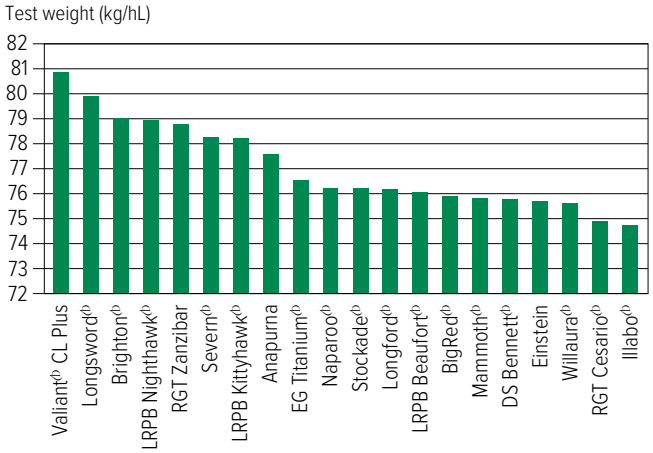



**Figure 14: Test weight (kg/hL) comparisons for long season wheat varieties from NVT sites in Southern NSW in 2024.**

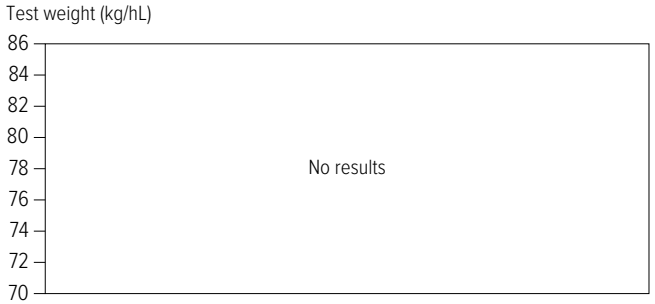



**Figure 15: Test weight (kg/hL) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2023.**

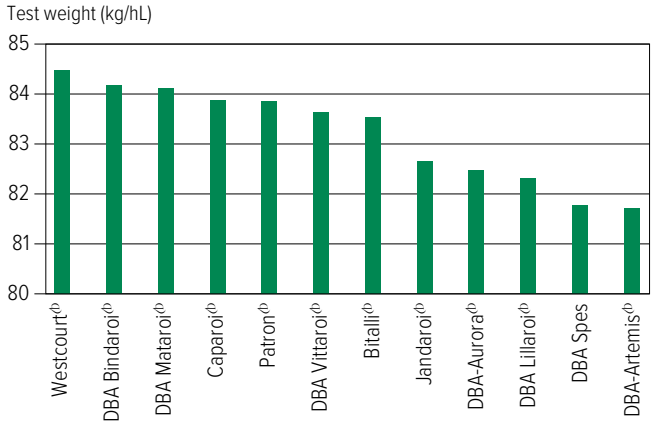
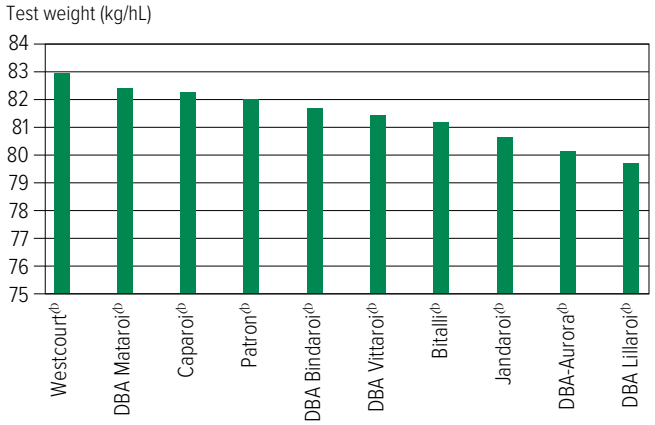



**Figure 16: Test weight (kg/hL) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2024.**



## Screenings comparisons

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

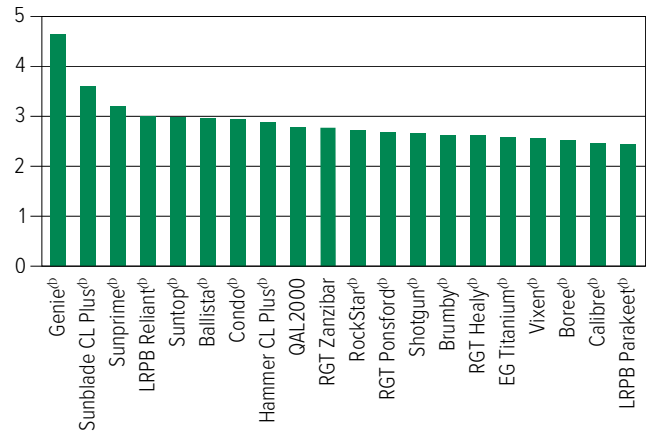



**Figure 18: Screenings (<2.0mm) comparisons for main season wheat varieties from six NVT sites in Southern NSW in 2024.**

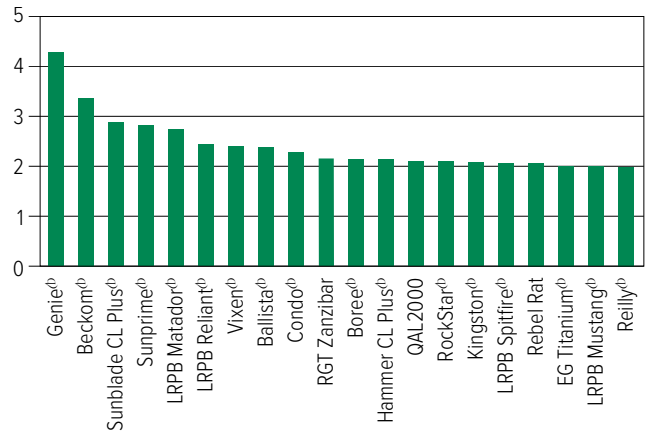



**Figure 19: Screenings (<2.0mm) comparisons for early season wheat varieties from nine NVT sites in Southern NSW in 2023.**

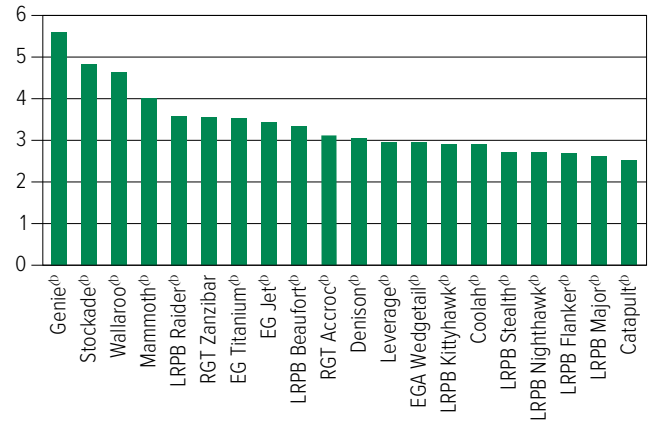



**Figure 20: Screenings (<2.0mm) comparisons for early season wheat varieties from five NVT sites in Southern NSW in 2024.**

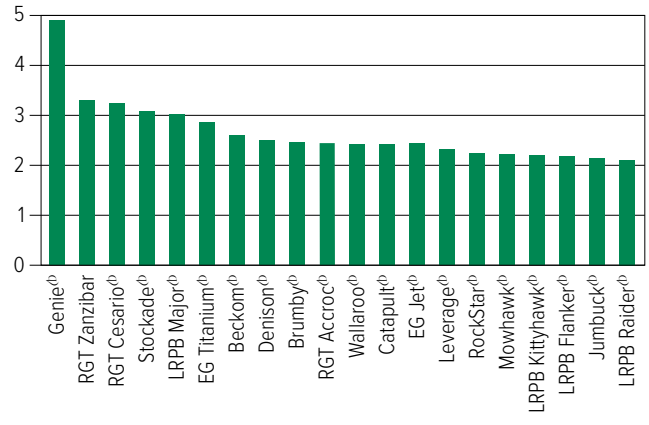



**Figure 21: Screenings (<2.0mm) comparisons for long season wheat varieties from two NVT sites in Southern NSW in 2023.**

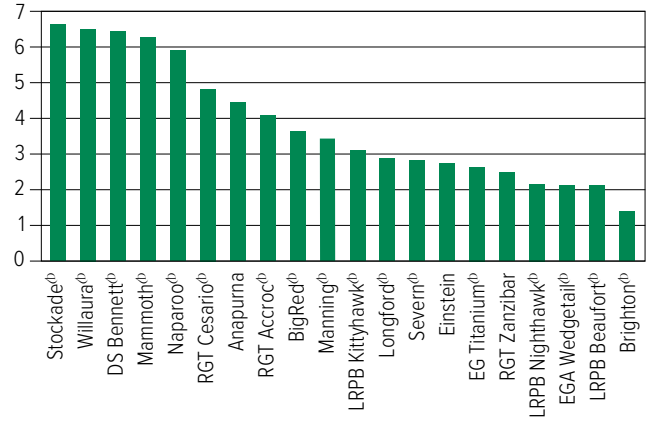



**Figure 22: Screenings (<2.0mm) comparisons for long season wheat varieties from NVT sites in Southern NSW in 2024.**

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

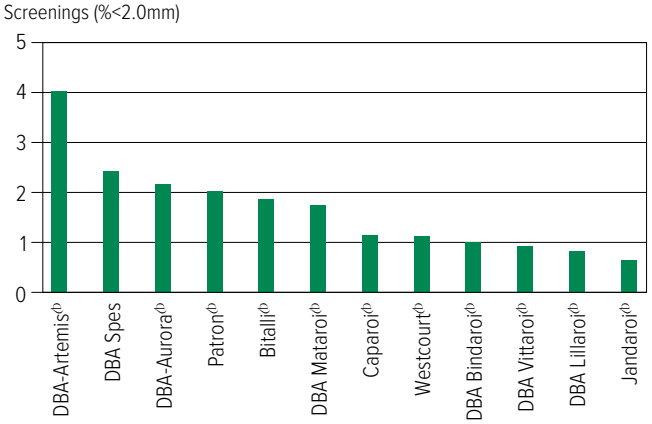
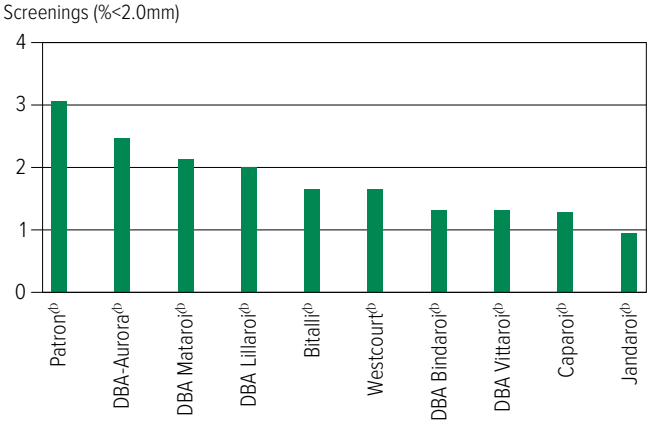



**Figure 24: Screenings (<2.0mm) comparisons for durum wheat varieties from three NVT sites in Southern NSW in 2024.**



# 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 | |
| Ascot(b) | S | RMR | MRMS | MSS | S | S | MRMS | S | MI | S | MI | MR | |
| Avoca(b) | MSS (P) | MSS | MRMS | MRMS | MS | MSS | MSS | MSS | MTMI (P) | R (P) | I (P) | S (P) | |
| Ballista(b) | S | S | MR | MSS | SVS | SVS | MS | MRMS | MI | S | MTMI | MRMS | |
| Beckom(b) | S | MSS | MRMS | MRMS | S | S | MSS | MSS | TMT | S | MTMI | R | |
| BigRed(b) | MSS | MRMS | S | RMR | RMR | MR | MR | MS | | MRMS | | S | |
| Boa(b) | MSS (P) | MR | MS | MRMS | S | S | MRMS | VS | MI (P) | S | MT (P) | R (P) | |
| Boree(b) | S | S | MR | SVS | VS | SVS | MRMS | MSS | MII | S | I | MSS | |
| Borlaug 100(b) | MSS | MR | MR | SVS | | MSS | MRMS | MS | TMT | S | T | MS | |
| Brighton(b) | S | S | MRMS | MRMS | SVS | S | MRMS | MS | MTMI | S | VI (P) | R | |
| Brumby(b) | S | SVS | MR | MS | MSS | S | MRMS | MS | MI | MRMS | TMT | MRMS | |
| Calibre(b) | S | S | MR | S | MSS | S | MRMS | MSS | MII | S | MT | MRMS | |
| Catapult(b) | MSS | S | MR | S | S | MSS | MRMS | MS | MT | S | MII | R | |
| Chief CL Plus(b) | MSS | MR | MR | SVS | SVS | S | MRMS | MSS | IVI | MRMS | MT | MS | |
| Condo(b) | S | S | MR | MRMS/MS | S | S | MS | MS | TMT | S | MT | MR | |
| Coolah(b) | MSS | RMR | MR | MSS | MSS | MSS | MSS | MS | MT | S | MT | S | |
| Coota(b) | MSS | MR | RMR | S | S | S | MSS | MS | MTMI | MR | MI | MR | |
| Cutlass(b) | S | RMR | R | MSS | MSS | MSS | MSS | MSS | MI | MSS | MT | MR | |
| Denison(b) | MSS | S | MS | S | S | MSS | MRMS | S | MI | S | MII | MS | |
| DS Bennett(b) | VS | SVS | MS | S | R | MSS | MRMS | S | | S | | S | |
| DS Pascal(b) | S | MRMS | MSS | MRMS | RMR | MSS | MS | S | IVI | S | MTMI | S | |
| EG Jet(b) | S | MSS | S | MRMS | MSS | MSS | MRMS | S | I | S | MI | MRMS | |
| EG Titanium(b) | MSS | MS | MS | MR | S | MSS | MSS | MSS | MTMI | MSS | MTMI | R | |
| EGA Gregory(b) | S | MR | MR | MS | MSS | MSS | S | MSS | MT | S | MTMI | S | |
| EGA Wedgetail(b) | S | MSS | MRMS | MS | MSS (P) | MSS | MSS | VS | MII | S | MII | S | |
| Genie(b) | MS (P) | S | MRMS | MSS | SVS | S | MRMS (P) | MRMS | IVI (P) | MS (P) | IVI (P) | MSS (P) | |
| Hammer CL Plus(b) | MSS | S | MR | MS | S | MSS | MRMS | S | I | MSS | MTMI | MRMS | |
| Hyperno(b) | SVS | RMR | RMR | MRMS | MSS | MS | MRMS | RMR | TMT | MS | MTMI | MS | |
| Illabo(b) | S | S | MR | MRMS | RMR | MSS | MS | MSS | MII | MSS | MI | MRMS | |
| Intrigue(b) | MSS | MR | MR | MR | S | MSS | MS | MRMS | TMT | S | MT (P) | MS | |
| 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 | |
| Jumbuck(b) | MSS (P) | RMR | MRMS | MRMS | MSS | MSS | MS | MSS | TMT (P) | | T (P) | R (P) | |
| Kingston(b) | S | S | S | MSS | S | S | MSS | MR | MTMI | S | MTMI | R | |
| Lancelin(b) | S | MSS | MRMS | MSS | S | SVS | MRMS | MS | TMT | SVS | MI (P) | MRMS | |
| Leverage(b) | S | RMR | MR | MRMS | SVS | S | MRMS | MS | TMT | S | TMT (P) | MS | |
| Longford(b) | MSS | RMR | RMR | RMR | RMR | MRMS/S | MRMS | S | | S | | MS | |
| Longsword(b) | MSS | MSS | MR | MRMS/MS | S | MS | MRMS | MRMS | MI | MRMS | VI | MRMS | |
| LRPB Anvil(b) CL Plus | MSS | SVS | MR | S | SVS | VS | MSS | S | VI | MSS | MII | MS | |
| LRPB Avenger(b) | S | SVS | MS | S | SVS | S | MS | MRMS | MI | MSS | MI | MRMS | |
| LRPB Beaufort(b) | S | MSS | SVS | RMR | R (P) | S | MRMS | MSS | MT | MS | MI | 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 Flanker(b) | MSS | RMR | MR | MS | S | S | MSS | MSS | MT | S | MT | S | |
| LRPB Hellfire(b) | MSS | MSS | MR | MRMS | SVS | S | MSS | MSS | MI | MSS | MTMI | MS | |
| LRPB Impala(b) | MSS | SVS | MR | MRMS | MR | SVS | MSS | S | MII | SVS | MTMI | MSS | |
| LRPB Kittyhawk(b) | SVS | MR | MRMS | MR | MS | MRMS | MRMS | S | I | S | MI | S | |
| LRPB Lancer(b) | MSS | RMR | R | RMR | MR | MSS | MS | MS | TMT | S | MTMI | S | |
| LRPB Major(b) | MSS | MR | MRMS | MRMS | MRMS | MSS | MS | MSS | MTMI | S | MI (P) | MRMS | |
| LRPB Matador(b) | S | MSS | MS | MS | MSS | S | MRMS | MS | MT | S | | MS (P) | |
| LRPB Mustang(b) | MSS | MSS | MRMS | MRMS | MRMS | S | MSS | MSS | MTMI | S | MI | MR | |
| LRPB Nighthawk(b) | MSS | MS | RMR | MR | SVS | MS | MS | MS | MI | MSS | IVI | MS | |
| LRPB Optimus(b) | MSS | RMR | MR | MRMS | MSS | S | MSS | MS | MTMI | MSS | I (P) | MS | |
| LRPB Oryx(b) | MSS | RMR# | MR | MRMS | MR | SVS | MSS | MSS | IVI | MSS | MII | S | |
| LRPB Parakeet(b) | MSS | RMR | MR | MR | SVS | SVS | MSS | S | MII | MRMS | MT | MS | |
| LRPB Raider(b) | S | RMR | RMR | MR | MSS | S | MSS | MS | TMT | MSS | MT | S | |
| LRPB Reliant(b) | MS | RMR | R | MR | MS | S | S | MSS | TMT | SVS | MTMI | MSS | |
| LRPB Scotch(b) | S | MR# | MSS | MRMS | MR | S | MRMS | S | MI | MS | MTMI | MS | |
| LRPB Spitfire(b) | MS | MS | MR | MRMS | SVS | S | S | MS | MTMI | MSS | MI | MS | |
| LRPB Stealth(b) | MSS | RMR | R | RMR | MRMS | MSS | MS | S | MTMI | MSS | MTMI | S | |
| LRPB Tracer(b) | S (P) | MRMS | MS | MRMS | MSS | S | MSS | MSS | MT (P) | S | MT (P) | R (P) | |
| LRPB Trojan(b) | MS | MR | MRMS | S | S | S | MSS | MSS | MI | MSS | MT | MS | |
| Mammoth(b) | S | MRMS | MR | MSS | SVS | MSS | MRMS | MRMS | MI | MSS | I | MSS | |
| Manning(b) | VS | MSS | MR | MR | MRMS | MRMS/S | MRMS | S | | MSS | | S | |
| Mowhawk(b) | | MR (P) | RMR (P) | | | MSS (P) | MRMS (P) | | | | | | |
| Naparoo(b) | S | MS | MRMS | MRMS | MR (P) | S | MRMS | S | MI | SVS | I | | |
| Packer(b) | MS (P) | MR | MR | MRMS | MSS | MSS | MS | S | MII (P) | S | MI (P) | R (P) | |
| Razor CL Plus(b) | S | S | MRMS | MRMS | MSS | SVS | MSS | MS | MI | S | MT | MR | |
| Rebel 65(b) | S | MRMS | MSS (RMR) | MSS | | SVS | MSS | MRMS | MT | S | TMT | MSS | |
| Rebel Rat | MSS | MRMS | MRMS | MSS | VS | MSS | MRMS | MSS | MT | S | T | MRMS | |
| Reilly(b) | S | MSS | MRMS | MS | MSS | S | S | MSS | MTMI | MS | MTMI | R | |
| RGT Accroc(b) | SVS | S | MRMS | MRMS | MRMS | MS | MRMS | MSS | | MS | | S | |
| RGT Calabro | SVS | MS | MS | MRMS | RMR | MRMS | MR | MS | | S | VI | S | |
| RGT Cesario(b) | VS | RMR | RMR | MRMS | RMR | MRMS | MR | MSS | | MRMS | | MSS (P) | |
| RGT Healy(b) | S | MR | MRMS | MRMS | S | MSS | MSS | MR | MT | MSS | MT | MR | |
| RGT Ponsford(b) | MSS | MR | RMR | MS | MSS | MSS | MS | S | IVI | MSS | MT | MRMS | |
| RGT Waugh(b) | S | S | MS | MR | RMR | MRMS# | MRMS | MSS | | MSS | | MS | |
| RGT Zanzibar | S | SVS | VS | RMR | RMR | MSS | MS | MS (P) | MI | S | MI (P) | MSS | |
| RockStar(b) | S | S | MRMS | S | SVS | S | MRMS | MS | MI | MRMS | I | MSS | |
| Rottnest(b) | | VS (P) | S (P) | SVS (P) | SVS (P) | SVS (P) | MRMS (P) | | | | | | |
| Scepter(b) | MSS | MSS | MRMS | S | SVS | S | MRMS | MSS | MT | S | MTMI | MRMS | |
| SEA Condamine | MSS | RMR | MRMS | MSS | MSS | VS | MSS | MS | MT | S | MT | S | |
| Severn(b) | S | MR | MRMS | MR | RMR | MSS | MRMS | MRMS | | S | | MSS (P) | |
| Sheriff CL Plus(b) | S | SVS | MS | SVS | SVS | S | MRMS | MS | I | MRMS | MTMI | MS | |
| Shotgun(b) | MS (P) | MSS | MRMS | MSS | S | S (P) | MRMS | MRMS | TMT (P) | MS (P) | MI (P) | R (P) | |
| Stockade(b) | S | MR | MS | MR | SVS | MS | MRMS | MSS | MTMI | S | MT | MRMS | |
| Stockman(b) | S | MR | MS | MRMS (P) | SVS | S (P) | MSS (P) | S | MI | MRMS | | S | |
| Sunblade CL Plus(b) | S | MSS | MS | MRMS | S | S | MSS | MRMS | MT | MSS | MI | MSS | |
| Suncentral(b) | MSS | RMR | MRMS | MS | SVS | S | MSS | MRMS | MT | MRMS | MI | S | |
| Sunchaser(b) | MSS | R | MR | RMR | SVS | S | MS | MSS | MT | MSS | MTMI | MSS | |
| Sundancer(b) | MSS | RMR | MR | MR | S | MSS | MS | MS | MTMI | MSS | MTMI (P) | MS | |
| Sunflex(b) | MSS | RMR | MR | MRMS | S | SVS | MS | MSS | MI | S | MI | 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* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunmaster[Φ] | MSS | RMR | MS | MRMS | S | S | MSS | MS | TMT | MRMS | MTMI | MSS | |
| Sunmax[Φ] | MSS | MS | MRMS | RMR | S | MSS | MS | MS | MI | S | MT | MRMS | |
| Sunprime[Φ] | S | MR | MS | MS | | S | MSS | S | MTMI | S | MTMI | MS | |
| Suntop[Φ] | MSS | MR | MRMS | MRMS | S | S | MSS | MRMS | TMT | S | MT | S | |
| Tomahawk CL Plus[Φ] | MSS | S | MR | S | SVS | S | MRMS | MS | TMT | S | MI (P) | MRMS | |
| Triple 2[Φ] | MRMS (P) | MRMS | MR (P) | RMR (P) | MRMS | MR | MR (P) | MR | | R (P) | | MS (P) | |
| Valiant[Φ] CL Plus | MSS | S | MRMS | S | VS | MSS | MRMS | S (P) | VI | S | MII | MSS (P) | |
| Vixen[Φ] | S | SVS | MRMS | SVS | SVS | S | MRMS | MS | I | MRMS | I | MSS | |
| Wallaroo[Φ] | MSS | RMR | RMR | RMR | S | MSS | MRMS | MRMS | MI | MS | | R | |
| Willaura[Φ] | S | MRMS | MR | S | SVS | S | MS | MRMS | MTMI | MSS | MII | MS | |
| **DURUM** | | | | | | | | | | | | | |
| Bitalli[Φ] | SVS | MR | RMR | MRMS | S | MSS | MRMS | RMR | MI | MSS | MI | MSS | |
| Caparoi[Φ] | VS | RMR | MR | MRMS | S | MRMS/S | MRMS | MR | MT | MS | MI | MRMS (P) | |
| DBA Bindaroi[Φ] | SVS | RMR | MR | MRMS | S | MS | MS | MR | MTMI | MRMS | MI | MS | |
| DBA Lillaroi[Φ] | SVS | RMR | RMR | MRMS | S | S | MRMS | RMR | MT | MRMS | MI | S | |
| DBA Mataroi[Φ] | SVS | MR | MRMS | MRMS | S | MSS | MRMS | RMR | MI | MS | MTMI | MRMS | |
| DBA Vittaroi[Φ] | SVS | RMR | MR | MRMS | MSS | MSS | MRMS | MR | MI | MS | I | S | |
| DBA-Aurora[Φ] | SVS | RMR | RMR | MR | MSS | MRMS/S | MRMS | RMR | MT | MRMS | MI | MSS | |
| Jandaroi[Φ] | VS | RMR | MRMS (R) | MRMS | S (P) | MSS | MRMS | MRMS | MTMI | MS | MII | MS | |
| Patron[Φ] | SVS | RMR | RMR | MRMS | S | MRMS | MRMS | MR | MT | MRMS | T | S | |
| Westcourt[Φ] | VS | RMR | RMR | MR | MSS | S | MRMS | MR | MTMI | MS | MI | MSS | |

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

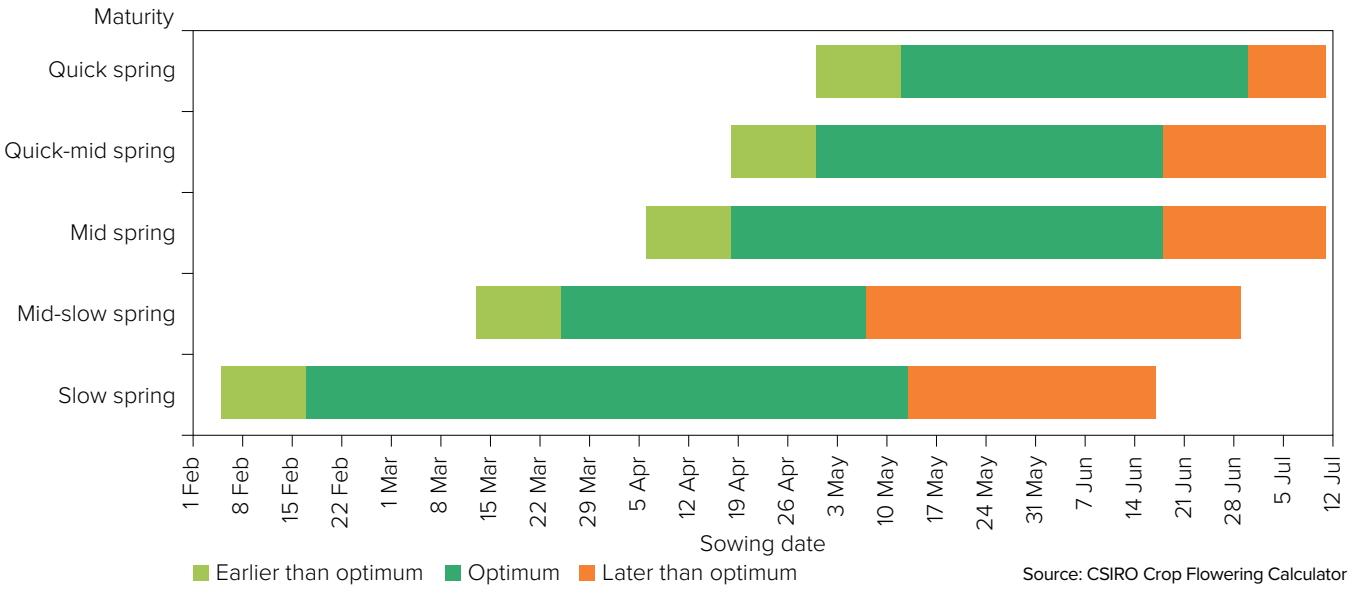
Growers and advisers are encouraged to use the Crop Flowering Calculator to compare the impact of specific variety selection and sowing date for the ideal flowering window at their own location. The Crop Flowering Calculator is a simple phenology (maturity) model that uses 60 years of local weather data 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(b) CL* | | | | 105 | 119 |
| Combat(b) | | 118 | 105 | 114 | 109 |
| Minotaur(b) | 112 | 108 | 106 | 108 | 112 |
| Cyclops(b) | 111 | 107 | 101 | 115 | 113 |
| Spinnaker(b) | | | 112 | 96 | 106 |
| Rosalind(b) | 109 | 105 | 102 | 107 | 109 |
| Bigfoot CL(b)* | | | | | 107 |
| RGT Planet(b) | 99 | 112 | 113 | 90 | 104 |
| Zena(b) CL* | | 109 | 111 | 90 | 103 |
| PegasusAX(b)* | | | | | 106 |
| Yeti(b) | 113 | 94 | 95 | 113 | 105 |
| Laperouse(b) | 111 | 95 | 96 | 110 | 106 |
| Maximus(b) CL* | 114 | 91 | 90 | 114 | 110 |
| Leabrook(b) | 98 | 100 | 98 | 110 | 92 |
| Beast(b) | 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(b) CL* | | | | 106 | Compromised trial |
| Combat(b) | | 118 | 100 | 103 | |
| Spinnaker(b) | | | 107 | 104 | |
| RGT Planet(b) | 104 | 101 | 107 | 105 | |
| Minotaur(b) | 107 | 102 | 105 | 102 | |
| Cyclops(b) | 109 | 105 | 101 | 101 | |
| Zena(b) CL* | | 99 | 106 | 104 | |
| Rosalind(b) | 104 | 104 | 102 | 101 | |
| Leabrook(b) | 100 | 111 | 98 | 98 | |
| Titan AX(b)* | | | 97 | 98 | |
| Bottler(b) | 98 | 92 | 104 | 102 | |
| Yeti(b) | 99 | 102 | 101 | 97 | |
| Laperouse(b) | 100 | 97 | 101 | 98 | |
| Beast(b) | 99 | 110 | 95 | 96 | |
| Fathom(b) | 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(b) CL* | | | | 111 | Compromised trial |
| Spinnaker(b) | | | 118 | 105 | |
| Combat(b) | | 108 | 111 | 109 | |
| RGT Planet(b) | 115 | 105 | 118 | 103 | |
| Zena(b) CL* | | 104 | 116 | 102 | |
| Minotaur(b) | 110 | 107 | 109 | 107 | |
| Rosalind(b) | 110 | 107 | 108 | 106 | |
| Cyclops(b) | 107 | 106 | 103 | 107 | |
| Maximus(b) CL* | 99 | 104 | 93 | 104 | |
| Yeti(b) | 99 | 102 | 96 | 103 | |
| Bottler(b) | 100 | 97 | 105 | 96 | |
| Laperouse(b) | 96 | 101 | 94 | 102 | |
| La Trobe(b) | 97 | 100 | 92 | 101 | |
| Spartacus CL(b)* | 96 | 101 | 91 | 101 | |
| Alestar(b) | 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(b) CL* | | | | 113 | 107 |
| Combat(b) | | 109 | 113 | 109 | 115 |
| Minotaur(b) | 112 | 109 | 104 | 106 | 107 |
| Cyclops(b) | 108 | 108 | 102 | 106 | 112 |
| Spinnaker(b) | | | 111 | 105 | 100 |
| RGT Planet(b) | 100 | 108 | 113 | 103 | 99 |
| Bigfoot CL(b)* | | | | | 105 |
| Rosalind(b) | 105 | 104 | 102 | 106 | 100 |
| Zena(b) CL* | | 106 | 110 | 102 | 96 |
| Laperouse(b) | 114 | 101 | 91 | 101 | 103 |
| PegasusAX(b)* | | | | | 97 |
| Yeti(b) | 112 | 99 | 91 | 103 | 100 |
| Bottler(b) | 99 | 102 | 104 | 97 | 96 |
| Titan AX(b)* | | | 99 | 99 | 110 |
| Leabrook(b) | 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.**

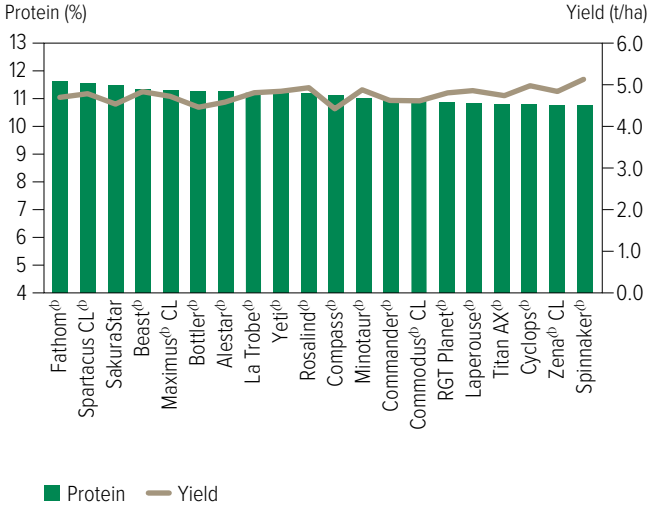
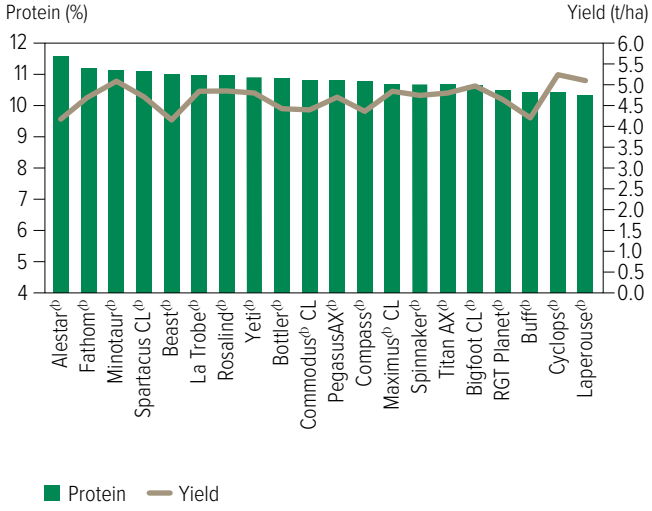



**Figure 2: Protein (%) and yield (t/ha) comparisons for main season barley varieties from two NVT sites in Southern NSW in 2024.**




## Test weight comparisons

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

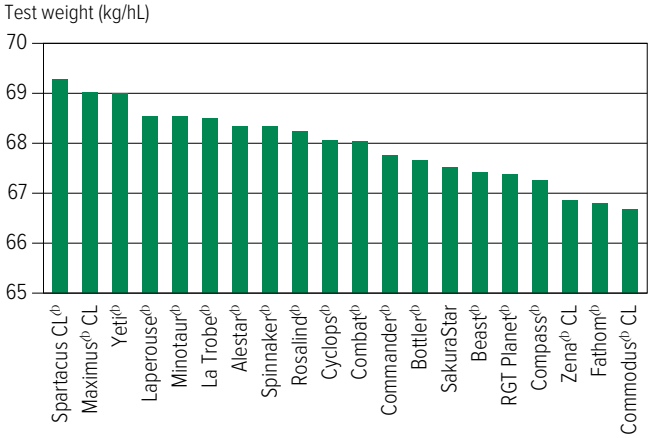
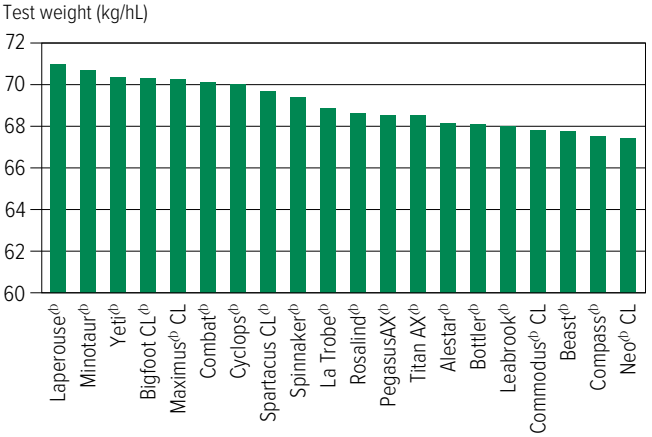



**Figure 4: Test weight (kg/hL) comparisons for main season barley varieties from two NVT sites in Southern NSW in 2024.**



## Screenings comparisons

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

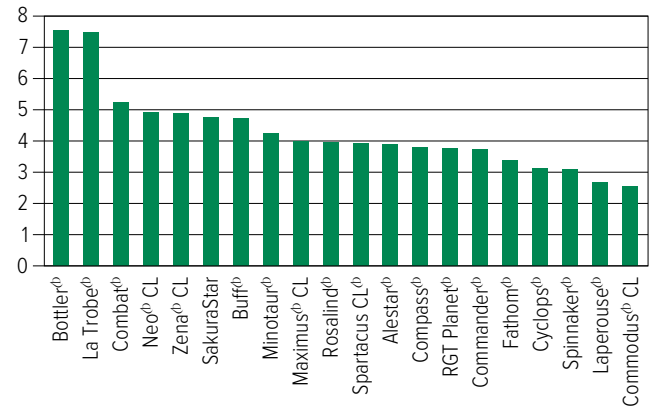
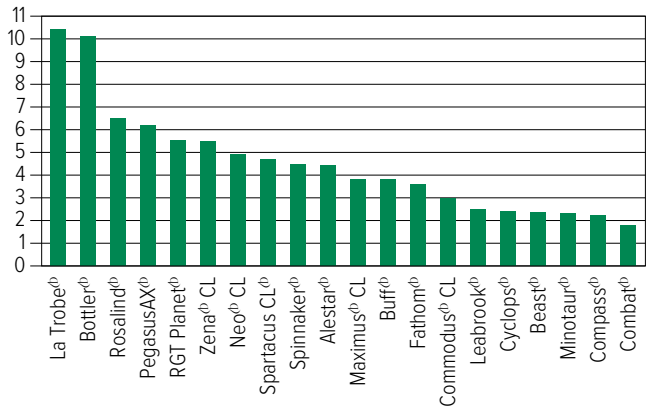



**Figure 6: Screenings (<2.2mm) comparisons for main season barley varieties from two NVT sites in Southern NSW in 2024.**




## Retention comparisons

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

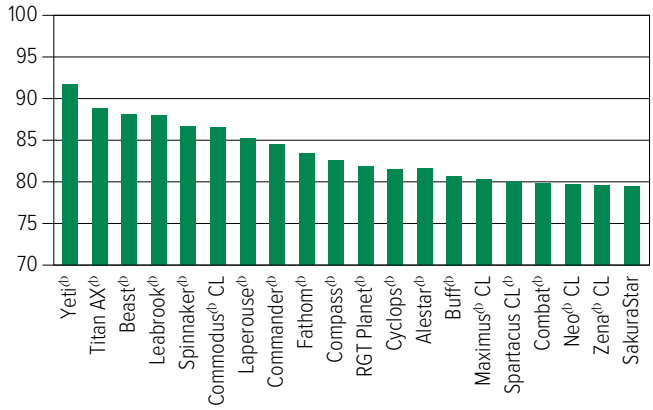
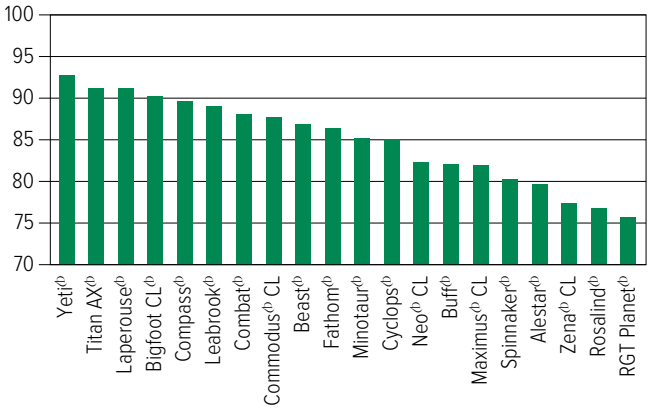



**Figure 8: Retention (>2.5mm) comparisons for main season barley varieties from two NVT sites in Southern NSW in 2024.**



# 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(Þ) | SVS | S | S | MRMS | MRMS | R | S | R^ (P) | MR | MTMI | MR | I | SVS |
| Beast(Þ) | SVS | MSS | MS | S | S | R | S | MR | MRMS | TMT | MRMS | MI | SVS |
| Bigfoot CL(Þ) | SVS (P) | MRMS (P) | MRMS | S | SVS | RMR | MSS (P) | R | RMR (P) | TMT | MR | | SVS |
| Bottler(Þ) | SVS | MRMS | MSS | RMR | MRMS | R | SVS | | RMR | MI | MS | MT | SVS |
| Buff(Þ) | S | MS | S | S | SVS | R | S | | MS | MI | MRMS | MT | SVS |
| Combat(Þ) | S | MSS | MR | MSS | MS | R | MSS | MR | MS | TMT | MRMS | | SVS |
| Commander(Þ) | SVS | S | MSS | MSS | SVS | R | S | R | MRMS | MT | MRMS | MTMI | SVS |
| Commodus(Þ) CL | S | MS | MSS | MSS | SVS | R | S | R | MRMS | MTMI | MRMS | TMT | SVS |
| Compass(Þ) | SVS | MSS | MS | S | SVS | RMR | MSS | R | MR | TMT | MRMS | TMT | SVS |
| Cyclops(Þ) | S | MS | MSS | SVS | S | R | MSS | S | MRMS | MI | MRMS | MI | SVS |
| Fandaga(Þ) | S | MS | S | R | MRMS | MS | MS | R | MR | TMT | MR | | SVS |
| Fathom(Þ) | S | S | MR | MRMS | MS | MR | SVS | R | MR | MT | MRMS | T | SVS |
| Flinders(Þ) | S | MS | S | MR | MSS | R | MSS | S | MR | MTMI | MRMS | | SVS |
| Granite(Þ) 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(Þ) | SVS | MRMS | S | S | MS | R | S | R | MRMS | MT | MRMS | MT | SVS |
| Laperouse(Þ) | SVS | MS | MRMS | MSS | SVS | MR | S | S | MR | MTMI | MRMS | MI | SVS |
| Leabrook(Þ) | S | MS | MS | S | SVS | RMR | S | RMR | RMR | TMT | MRMS | MT | SVS |
| Litmus(Þ) | VS | S | S | MSS | SVS | RMR | S | MS | MRMS | IVI | MS | MTMI | SVS |
| Maximus(Þ) CL | S | MRMS | MS | S | MS | RMR | S | R | MRMS | MI | MRMS | MT | SVS |
| Minotaur(Þ) | VS | MRMS | S | S | SVS | R | MSS | R | MRMS | TMT | MRMS | MI | SVS |
| Neo(Þ) 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(Þ) | MSS (P) | MRMS (P) | MSS | S | MR | R | MSS (P) | R | MRMS | IVI | MR | | SVS |
| RGT Atlantis(Þ) | S | SVS (P) | S | R | MR | MR | SVS (P) | R | RMR | MII | MR | | SVS |
| RGT Planet(Þ) | MSS | SVS | SVS | RMR | MR | MR | MSS | R | MR | MI | MRMS | MT | SVS |
| Rosalind(Þ) | MSS | MR | MSS | S | MR | RMR | S | R | MRMS | TMT | MRMS | MT | SVS |
| Scope CL(Þ) | SVS | MRMS | MSS | MRMS | SVS | RMR | S | S | MRMS | MI | MRMS | MI | SVS |
| Spartacus CL(Þ) | SVS | MSS | S | S | MSS | RMR | S | R | MRMS | MI | MRMS | MII | SVS |
| Spinnaker(Þ) | S | S (P) | SVS | RMR | MS | MS | MSS | S | MS | MT | MR | | SVS |
| Titan AX(Þ) | 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(Þ) | MSS | MRMS | S | RMR | MR | R | MSS | | MS | I | MRMS | IVI | SVS |
| Yeti(Þ) | VS | MS | MRMS | S | SVS | MR | S | RMR | MR | MT | MR | TMT | SVS |
| Zena(Þ) 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(Φ) | MS | MR-S | R | MSS | SVS | MSS | MSS |
| Bannister(Φ) | S | S | MRMS | MSS | MSS-SVS | S | MSS |
| Bilby(Φ) | 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(Φ) | S | S | S | S | S | S | S |
| Echidna | S | S | S | MSS | MS | S | SVS |
| Goldie(Φ) | S | S | R | MS | SVS | MSS | MSS |
| Kingbale(Φ) | S | MSS | S | MS | SVS | MSS | MS |
| Koala(Φ) | MS | MSS | R | MSS | S | S | MSS |
| Kojonup(Φ) | S | S | SVS | MSS | S | SVS | S |
| Kowari(Φ) | S | SVS | SVS | S | S | S | S |
| Kultarr(Φ) | SVS | MSS | R | MSS | SVS | MSS | MS |
| Minnie(Φ) | SVS | VS | R | S | VS | S | S |
| Mitika(Φ) | MSS | S | S | SVS | S | S | SVS |
| Mulgara(Φ) | S | MRMS | MR | MSS | SVS | MSS | S/MS |
| Tungoo(Φ) | S | MSS | MR | MSS | MRMS | MSS | MRMS# |
| Wallaby(Φ) | SVS | MR | R | MSS | SVS | MSS | MSS |
| Wandering | SVS | SVS | SVS | S | S | S | S |
| Williams(Φ) | S | MSS | MRMS | MSS | MS | MSS | MSS |
| Wintaroo | S | MSS | S | MS | S | MSS | MS# |
| Yallara(Φ) | 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, ⁽ᵖ⁾denotes Plant Breeder's Rights apply. [1]All data in the table was provided by breeders. Readers should raise any issues with the displayed data directly with the breeder.

# Canola variety yield performance – 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 | | MT | | MT |
| Genesis® 836 | S | S | | | MT | | MII |
| Kyabra[Φ] | VS | VS | VS | | MT | | MT |
| Neelam[Φ] | S | S | | | MTMI | | MI |
| PBA Boundary[Φ] | S | S | VS | | MT | | MTMI |
| PBA Drummond[Φ] | VS | VS | VS | | TMT | | TMT |
| PBA HatTrick[Φ] | S | S | S | | MTMI | | MT |
| PBA Maiden | S | S | | | MII | | MI |
| PBA Pistol[Φ] | S | VS | | | MII | | T |
| PBA Seamer[Φ] | S | MS | S | | MTMI | | MTMI |
| PBA Slasher[Φ] | S | S | | | MT | | MI |
| PBA Striker[Φ] | S | S | | | TMT | | MI |
| **KABULI** | | | | | | | |
| Almaz[Φ] | S | MS | | | I | | MI |
| Genesis® 090 | MS | MS | | | MII | | IVI |
| Genesis® Kalkee | S | S | | | MI | | VI |
| PBA Magnus[Φ] | S | MS | | | IVI | | MI |
| PBA Monarch[Φ] | S | MS (P) | | | I | | IVI |
| PBA Royal[Φ] | MS | MS | | | MI | | MII |

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

# FABA BEAN

## Faba bean variety yield performance – 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 |
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TO BE UPDATED

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

# FIELD PEA

## Field pea variety yield performance – 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(P) | 112 | | 113 | 111 | 108 |
| APB Bondi(P) | 108 | | 100 | 120 | 116 |
| PBA Noosa(P) | 103 | | 104 | 107 | 109 |
| PBA Percy | 101 | | 125 | 89 | 88 |
| PBA Taylor(P) | 102 | | 93 | 112 | 123 |
| Kaspa | 102 | | 94 | 103 | 115 |
| PBA Oura(P) | 97 | | 108 | 94 | 90 |
| PBA Wharton(P) | 95 | | 86 | 101 | 107 |
| GIA Ourstar(P)* | 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(P) | 121 | 122 | 129 | 109 | |
| PBA Butler(P) | 114 | 122 | 134 | 106 | |
| PBA Taylor(P) | 112 | 105 | 100 | 105 | |
| PBA Noosa(P) | 107 | 106 | 105 | 104 | |
| Kaspa | 104 | 98 | 95 | 100 | |
| Sturt | 100 | 99 | 94 | 102 | |
| PBA Oura(P) | 93 | 96 | 95 | 98 | |
| PBA Wharton(P) | 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*) |
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TO BE UPDATED

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

# LENTIL

## Lentil variety yield performance – 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*) |
|---|---|---|---|---|---|
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TO BE UPDATED

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

# LUPIN

## Lupin variety yield performance – 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 | No trial |
| 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 | |
| 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 resistance | Cucumber mosaic virus (CMV) | Phomopsis pod infection | Phomopsis stem infection | Sclerotinia stem rot |
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TO BE UPDATED

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

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