2025 NVT results

2025 yield results from National Variety Trials (NVT) across the state have been released. The results have been summarised in tables for a range of new and existing varieties.

The data shows the % of trial mean, averaged across low, medium and higher yielding trial sites in 2025. For example, a 110% result means that particular variety yielded 10% better than the site mean (average), in that yield group.

Keep in mind that NVT results can reflect a different picture compared to on-farm results. There are limited trial sites in locations away from frost and other weather extremes, and results impacted by wind, hail and frost are also excluded. It is best to select a variety on its long-term performance and it is highly worthwhile looking at the NVT Long Term Yield Reporter Page. Remember to consider factors such as disease resistance, herbicide tolerance and maturity, as well as yield potential, when choosing a variety.

Combined wheat NVT yield results (% of site mean yield) - Single season 2025

	RAINFALL ZONE		
Variety	**Low**	**Med**	**High**
Tomahawk CL Plus	114%	110%	109%
Shotgun	109%	108%	108%
Calibre	108%		105%
Dale	103%		110%
Scepter	109%	105%	101%
Brumby	104%		106%
Murray	105%	106%	104%
Ballista	108%		100%
LRPB Matador	105%	104%	103%
Vixen	105%	101%	100%
Soaker	99%	104%	101%
Catapult	101%		101%
RockStar	97%	102%	104%
Sunblade CL Plus	100%	98%	101%
LRPB Anvil CL Plus	99%	99%	
Razor CL Plus	103%	100%	93%
Hammer CL Plus	99%		92%
Sheriff CL Plus	92%	93%	96%
Mean yield for zone (t/ha)	**2.01**	**3.36**	**5.99**
Number of trials	9	10	6

Combined wheat NVT screenings results (% by weight) - Single season 2025

	RAINFALL ZONE		
Variety	**Low**	**Med**	**High**
Tomahawk CL Plus	3.1	3.7	3.3
Shotgun	3.7	4.1	3.6
Calibre	3.4	3.2	2.3
Dale	3.1	3.2	3.1
Scepter	3.0	3.0	2.8
Brumby	3.2	3.5	3.1
Murray	4.7	5.3	4.3
Ballista	3.1	3.2	3.3
LRPB Matador	4.3	5.8	4.1
Vixen	2.9	3.6	2.9
Soaker	3.7	3.6	3.5
Catapult	2.3	2.8	2.5
RockStar	2.9	3.6	2.7
Sunblade CL Plus	5.3	5.4	3.1
LRPB Anvil CL Plus	2.6	2.2	1.5
Razor CL Plus	2.8	2.7	2.7
Hammer CL Plus	3.2	3.4	2.9
Sheriff CL Plus	2.3	3.5	2.0
Mean screenings for zone (%)	**3.4**	**3.7**	**2.8**
Number of trials	9	9	6

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WHEAT

- Tomahawk CL Plus; the widely adopted Clearfield® Scepter type with APW quality classification yielded 9-14% above the average site mean yields, and exhibited a wide range of environmental adaptability. Screenings were below average in the low rainfall zone but slightly higher than average at 3.3% (av=2.8%) in the high rainfall zones.
- Shotgun and Calibre were the highest performing conventional type varieties across all rainfall zones however, Calibre had lower screenings at 2.3% vs Shotgun at 3.6% (av=2.8%) in the high rainfall zone.
- Scepter, the industry standard is still performing well across all rainfall zones with equal to, or lower than the site average screenings.

Combined barley NVT yield results
(% of site mean yield) - Single season 2025

	RAINFALL ZONE		
Variety	**Low**	**Med**	**High**
Beast	118%	106%	107%
Combat	113%	108%	101%
Cyclops	108%	105%	107%
Leabrook	108%	106%	104%
Rocket CL	107%	103%	
Compass	112%	102%	100%
Bigfoot CL	104%	101%	104%
AGT-Bunyip IA	101%	103%	106%
Minotaur	98%	105%	106%
Maximus CL	102%	104%	103%
Neo CL	93%	104%	108%
Commodus CL	108%	101%	96%
Fathom	106%	100%	97%
Titan AX	101%	103%	98%
PegasusAX	94%	99%	98%
Spartacus CL	96%	96%	97%
RGT Atlantis			96%
RGT Planet	81%	95%	97%
Mean yield for zone (t/ha)	**2.16**	**3.97**	**5.60**
Number of trials	4	9	6

Combined barley NVT screenings results
(% by weight) - Single season 2025

	RAINFALL ZONE		
Variety	**Low**	**Med**	**High**
Beast	4.7	2.0	1.3
Combat	7.8	5.7	5.5
Cyclops	8.9	4.4	3.3
Leabrook	3.2	2.6	2.8
Rocket CL	2.9	1.7	0.9
Compass	5.6	4.9	3.3
Bigfoot CL	5.2	3.2	2.5
AGT-Bunyip IA	7.1	5.3	3.2
Minotaur	8.7	4.7	3.6
Maximus CL	6.0	2.8	3.6
Neo CL	6.8	9.1	7.4
Commodus CL	4.3	3.7	3.4
Fathom	4.4	3.3	2.8
Titan AX	3.1	2.7	2.7
PegasusAX	8.2	8.1	5.8
Spartacus CL	9.8	4.8	3.1
RGT Atlantis		10.9	4.9
RGT Planet	5.9	14.0	8.3
Mean screenings for zone (%)	6.8	6.5	4.6
Number of trials	2	8	6

BARLEY

- Plenty of new varieties in the barley space with multiple varieties performing similarly in yield, but vary greatly in screenings. Ensure to account for the appropriate fungicide plan when making your decision.
- Generally, for barley in 2025, varieties with less biomass, shorter seasons and vertical growth patterns were favoured due to the dry season in the low and medium rainfall zones. Low variability in yield in the high rainfall zone is attributed to a dry start and late rainfall favouring quick to mid maturity varieties.
- Beast barley (feed only) is an impressive yielder in low rainfall zones with low screenings. A compass type barley producing good ground cover on sandy soils. SVS for scald-ensure to protect your crop especially if sowing into barley stubbles.
- Combat barley yielded well in the low rainfall zone but had high screenings at 7.8% (av=6.8%).

DURUM WHEAT

- Low yield variability between all varieties for 2025 trials in SA. Patron was the highest performer at 104%, closely followed by AGT-Banker at 102%.
- AGT-Banker - ideal for SA low–medium rainfall. Replaces Bitalli/Aurora.
- Patron - stable performance across both SA sites at 104%.

LENTILS

- GIA Colombo – highest MET-yielding IMI red lentil; strong disease resistance; mid maturity; suited to medium–high rainfall SA.
- ALB Terrier – small red IMI tolerant lentil. Strong vigour with improved boron tolerance.

LUPINS

- NVT results for Lupin trials in South Australia show 11% difference between all varieties with Bateman (109%), Coyote (107%) and PBA Gunyidi having the highest yields.
- Lawler – new AGT lupin tolerant to metribuzin. Improved phomopsis resistance.

CLEARFIELD® CANOLA

- PY421C is a widely adaptable variety. PY421C is the highest yielding variety all rainfall zones .
- PY45Y95 is suited to longer, softer seasons and yielded at 114% in the high rainfall zones.
- Other newer varieties are 5-10% lower in yield in the med-high rainfall zoned trials as they were typically unable to take advantage of late rains.

GLYPHOSATE TOLERANT CANOLA

- Invigour LR4540P and InVigour LR5040P are the highest yielding varieties in the med-high rainfall zones at 115%.
- NuSeed's Hunter TF has also been a stable performer at 111%, comparable to Invigour R4520P at 110%.
- InVigour LR4540P, Nuseed Hunter TF and Invigour R4520P were the top three varieties in the low-med rainfall zones taking advantage of the late rainfall showing a wide geographical adaptability.

FIELD PEAS

- APB Bondi, a Kaspa type field pea is the highest yielding variety in 2025 for South Australia closely followed by PBA Taylor. Bondi is tolerant to high soil boron levels and moderately tolerant to high salinity and resistant to Powdery mildew, PSbMV, BLRV and BYMV.