GRAINS INNOVATION AUSTRALIA

THUNDER IMI Lentil

VARIETY TECH NOTE 2026

High yielding broadly adapted small IMI tolerant lentil

KEY FEATURES

✓ High yield

- Highest yielding small IMI tolerant lentil across all yield groups in independent NVT trials.
- The broad adaptation of GIA Thunder[Φ] has been demonstrated over 6 years shown by its substantially higher yield than small lentil, PBA Hurricane XT[Φ], in almost all the 71 NVT trials across a range of yield environments and seasons.

✓ Boron & Salt tolerance (MI rating)

✓ Small red lentil

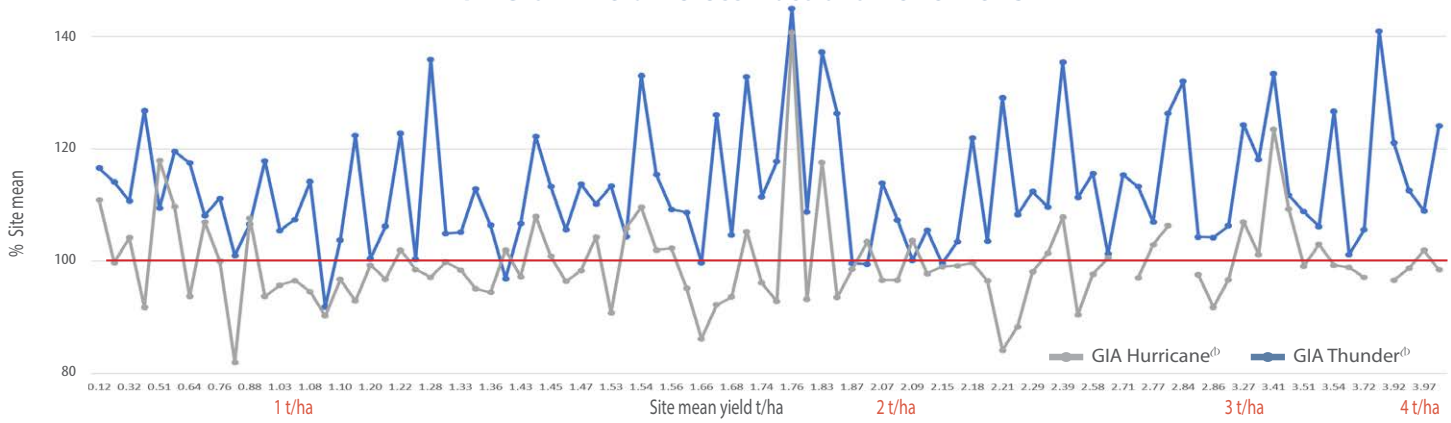
- Demand from numerous large volume markets.
- Grain type suits bulk shipment.

All Australia NVT predicted MET yield of lentil varieties by year (% GIA Thunder[Φ])

Variety	2021	2022	2023	2024	2025
IMI tolerant varieties					
GIA Colombo[Φ]	NIT	NIT	96	100	101
PBA Kelpie XT[Φ]	89	83	91	85	88
ALB Dane	NIT	NIT	93	92	98
GIA Thunder[Φ]	**100**	**100**	**100**	**100**	**100**
GIA Lightning[Φ]	98	80	99	101	101
ALB Terrier[Φ]	96	96	96	96	97
GIA Leader[Φ]	88	84	89	87	91
PBA Highland XT[Φ]	90	79	91	95	99
PBA Hurricane XT[Φ]	89	82	90	89	92
PBA Hallmark XT[Φ]	87	85	87	91	96
Year mean yield (t/ha)	*2.46*	*3.09*	*1.89*	*1.57*	*1.79*
*No. of trials**	*9*	*14*	*14*	*13*	*21*

*Data accessed 02/03/2026 from NVT long term yield report, nvt.grdc.com.au. NIT = NOT IN TRIALS.*No. of trials: 2022: Leader & Hurricane = 11; 2024: Colombo & Dane = 11; 2025: Hallmark = 2*

NVT Grain Yield Across Australia 2020-2025



Data accessed NVT ONLINE 26 March 2026 (Note: where no dot exists at site mean yield point, the variety was not tested in that NVT trial)

MORE AGRONOMIC FEATURES

- Early vigour (moderate).
- Vegetative frost tolerance (mod-good).
- Mid Flowering & Mid Maturity.
- Disease resistance:
  - Good disease resistance for BGM, rated MRMS.
  - Rated MRMS for ascochyta blight (provisional).
  - In disease prone areas and environments and/or medium-high rainfall colder environments a strategic early season fungicide application for ascochyta blight is recommended, as is suggested for all MRMS rated varieties (eg. GIA Lightning[Φ], PBA Kelpie XT[Φ], PBA Hallmark XT[Φ], PBA Hurricane XT[Φ]) Further in season fungicide applications for ascochyta blight should follow local disease management guidelines for MRMS rated varieties.

Refer to GIA Thunder[Φ] IMI Lentil Variety Brochure for more information www.pbseeds.com.au

SEED ENQUIRIES

For sourcing seed or registering "Grower 2 Grower" seed please contact

PBSeeds | Ph 03 5383 2213 | Email admin@pbseeds.com.au

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