

Laperouse[®] Barley

Nth.NSW & Sth.Qld Version

The information in this document is current as at September 2020. For updated information after this date please refer to NVT results.

KEY FEATURES

- Competitive growth habit with medium plant height
- Medium spring maturity with potential for early sowing
- Improvement in resistance to net blotches
- Very good standability with low incidence of lodging and head-loss
- Good physical grain quality
- Released as a 'feed' type but currently undergoing Stage 1 malting and brewing accreditation entered 1st year in 2020, with final decision not before March 2022

DISEASE RESISTANCE RATINGS – NSW & QLD (source NVT online)

Variety	Powdery mildew		Scald (NSW)	Leaf rust		Spot form of net blotch		Net form of net blotch		Barley Yellow Dwarf Virus	Black point
	QLD	NSW		QLD	NSW	QLD	NSW	QLD	NSW		
LAPEROUSE	MR-MS	S(p)	VS	S-VS	S-VS	MR	MS	MS	MR-MS	MR-MS	MS-S
Commander	MR-MS	S(p)	VS	S	S-VS	MS-S	MS-S	MS-S	MS-S	MR	MS-S
Compass	MR-MS	S(p)	S-VS	VS	S-VS	MR-MS	MS-S	MR-MS	MR-MS	MR-MS	MS-S
Leabrook	MR-MS	S(p)	VS	S-VS	S-VS	MR-MS	MS	MR-MS	MR-MS	MR-MS	MS-S
RGT Planet	R	R(p)	S	MR-MS	R-MR	S	S-VS	S	S	MR	MR-MS
Spartacus CL	MR-MS	S-VS(p)	VS	MS-S	R-MR	S-VS	S-VS	MS	MR	MS	MS-S

PLANT TYPE AND AGRONOMY (source SECOBRA breeding trials and NVT)

Laperouse is a spring type barley but has shown to develop relatively slowly when sown early so could be an option for early season planting. At main season sowing time Laperouse maturity is typically between Compass and RGT Planet. Additional data from SECOBRA will be generated in 2020 to provide more information on Laperouse's maturity and its fit in regional farming systems.

Average maturity observations from main season SECOBRA trials in 2019 (Arthurton sown 13/5/19, Horsham sown 6/6/19, Cunderdin sown 29/5/19)

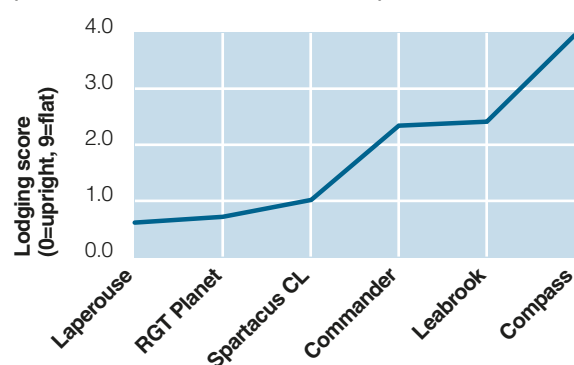
LONG MATURITY					QUICK MATURITY	
RGT Planet	Laperouse	Compass	Fathom	Spartacus CL	La Trobe	

Plant height observations – av. 3 SECOBRA trials SA, VIC and WA 2019

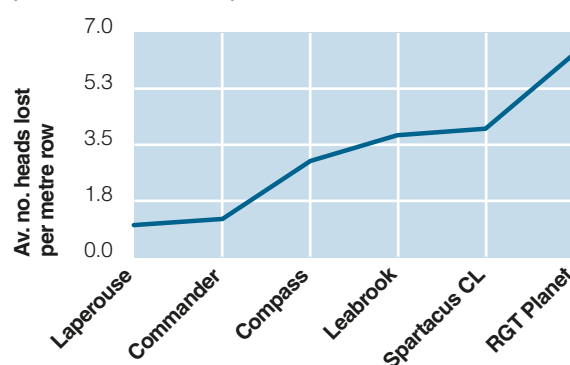
SHORT HEIGHT			TALL HEIGHT		
Spartacus CL	La Trobe	RGT Planet	Laperouse	Compass	Fathom

Laperouse has also shown a low incidence of lodging and low head-loss, as per graphs below.

NVT Lodging Assessment
(av. 14 trials SA, VIC, NSW, WA 2017-19)



NVT Head Loss Assessment
(av. 3 trials SA, 2018-19)



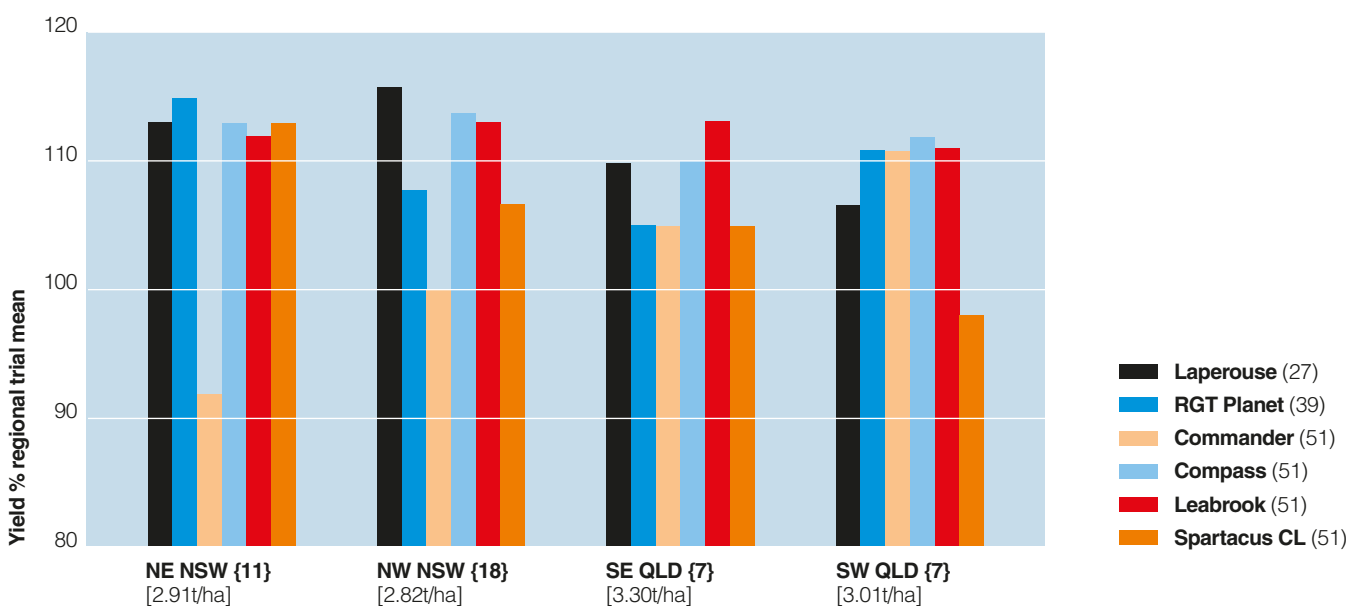
GRAIN QUALITY – NSW and QLD (source NVT online)

Laperouse has very good physical grain quality attributes

Average grain size in the northern region	Sth QLD 2018-19 NVT			Nth NSW 2016-19 NVT		
	Hectolitre wt (kg/hl) 5 trials	Plumpness % (>2.5mm) 5 trials	Screening % (<2.2mm) 4 trials	Hectolitre wt (kg/hl) 13 trials	Plumpness % (>2.5mm) 12 trials	Screening % (<2.2mm) 13 trials
LAPEROUSE	72.7	77.3	3.1	67.3	85.0	2.5
RGT Planet	66.2	78.4	4.2	65.3	76.5	4.2
Commander	65.8	78.9	3.8	65.8	85.2	2.6
Compass	67.5	86.5	2.7	64.0	89.8	2.3
Leabrook	67.7	85.6	2.3	64.7	89.4	2.4
Spartacus CL	66.7	71.2	4.4	65.3	79.7	2.9

YIELD DATA – NSW and QLD (source NVT online)

Further data from both NVT and SECOBRA will be generated from the 2020 season to provide additional information on Laperouse and its fit in regional farming systems.



Source: NVT main season series Long Term MET Analysis 2015 - 2019

{}: Total number of sites per region

[]: Regional trial mean t/ha

(): The number of trials that a variety was present across the entire dataset



Plant Breeders Rights and Royalty

Laperouse is protected by Plant Breeders Rights. An End Point Royalty of \$3.80 +GST per tonne applies to grain production



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Breeding

Laperouse was developed by SECOBRA Recherches after being bred by the University of Adelaide with support from the Grains Research and Development Corporation. Its pedigree includes Commander and Waite Institute coded breeding lines.

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For more information call Jon Thelander 0429 314 909 or Seednet on 1300 799 246 or visit www.seednet.com.au

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