

SPINNAKER

BARLEY

October 2024

*The information in this document is current as at October, 2024.
For updated information after this date, please refer to NVT*

KEY FEATURES

- Quick maturing spring variety
- Bred in Australia for malting and brewing - currently in Stage 1 evaluation
- Broad adaptation with high grain yield in range of low and medium rainfall zones
- Excellent physical grain quality with high retention, high test weight and low screenings
- Excellent malt modification, good grain protein accumulation and low Gibberellic Acid requirement

Agronomic Characteristics

- Competitive early growth
- Conventional herbicide management
- Good straw strength and head retention
- Earlier to flowering and quicker to maturity than RGT Planet
- Shorter plant height than RGT Planet
- R to Powdery mildew
- MRMS to Barley Yellow Dwarf Virus and Black point
- MS to S to Leaf rust
- MS to SVS to Net Blotches



Breeding and End Point Royalties

- Spinnaker is derived from a complex three-way cross combining hardy Australian adaptation and physical grain size with European malt quality. Pedigree is Fathom, RGT Planet and a SECOBRA high malt quality breeding line.
- Spinnaker is protected by Plant Breeder Rights (PBR) legislation. A PBR license applies to the seed. Seed is available from Seednet Partners. Growers can retain seed from the production of Spinnaker for their own seed use.
- An End Point Royalty of \$4.00 (+GST) per tonne applies to Spinnaker.

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GRAIN YIELD DATA Source: <https://app.nvt.grdc.com.au>

EMY= Environment Mean Yield >5% above EMY <5% below EMY

Queensland and New South Wales													
Region	Central QLD		Sth East QLD	South West QLD		North East NSW		North West NSW		South East NSW		South West NSW	
Year	2022	2023	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
EMY (t/ha)	4.15	4.89	3.58	4.05	2.87	4.70	3.76	5.93	2.42	5.25	3.41	5.78	4.72
No. trials	2	1	2	2	2	3	3	5	3	1	1	6	5
Spinnaker	4.66	4.85	3.65	4.93	2.87	5.53	4.03	6.61	2.51	5.85	3.27	6.39	4.97
Compass	3.98	4.65	3.25	3.40	2.98	4.23	3.75	5.44	2.57	5.11	3.23	5.45	4.62
Laperouse	4.21	4.79	3.77	4.14	3.04	4.62	3.78	5.81	2.50	5.12	3.86	5.71	4.80
Maximus CL	4.18	4.30	3.68	4.23	2.95	4.50	3.67	5.66	2.51	4.85	3.93	5.56	4.84
Neo CL	-	5.23	3.76	-	2.99	-	3.99	-	2.48	-	3.42	-	5.15
RGT Planet	4.53	5.06	3.54	4.58	2.82	5.38	4.00	6.46	2.45	5.84	3.18	6.42	4.89
Spartacus CL	3.97	3.94	3.20	3.78	2.80	4.21	3.61	5.51	2.54	4.75	3.79	5.40	4.82

Victoria											
Region	Mallee		Wimmera		North Central		North East		South West (Long season)		
Year	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	
EMY (t/ha)	5.53	3.77	6.53	4.19	6.87	6.88	5.72	6.23	6.39	5.50	
No. trials	6	6	3	2	2	2	1	1	5	5	
Spinnaker	6.13	3.91	7.40	4.29	7.80	7.52	6.32	6.79	6.80	5.82	
Compass	5.26	3.69	6.01	4.49	6.37	5.73	5.21	5.54	6.93	6.13	
Laperouse	5.52	4.26	6.37	4.50	6.50	7.21	5.58	5.90	6.47	5.35	
Maximus CL	5.22	4.18	6.20	4.32	6.39	7.14	5.72	5.89	6.69	5.80	
Neo CL	-	4.45	-	4.58	-	8.49	-	6.99	-	5.98	
RGT Planet	6.09	3.74	7.45	4.09	7.83	7.52	6.41	6.89	6.51	5.66	
Spartacus CL	5.10	3.98	6.03	4.22	6.41	6.90	5.60	5.96	6.77	5.03	

South Australia												
Region	Lower Eyre Peninsula		Upper Eyre Peninsula		Yorke Peninsula		Mid North		Murray Mallee		South East	
Year	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
EMY (t/ha)	5.81	4.70	5.88	2.31	5.63	4.14	7.39	5.11	4.07	3.21	6.09	4.87
No. trials	2	3	4	4	4	4	4	4	3	3	1	1
Spinnaker	6.42	4.74	6.66	2.39	6.24	4.39	8.37	5.38	4.57	3.36	6.95	4.80
Compass	5.57	4.91	5.39	2.62	5.44	4.27	7.00	5.36	4.00	3.40	5.54	5.34
Laperouse	5.76	5.40	5.85	2.40	5.62	4.28	7.03	5.17	3.94	3.32	5.81	5.42
Maximus CL	5.67	5.20	5.85	2.54	5.53	4.40	6.81	5.06	3.74	3.34	5.65	5.50
Neo CL	-	5.57	-	2.50	-	4.68	-	5.69	-	3.58	-	5.11
RGT Planet	6.39	4.50	6.68	2.29	6.21	4.27	8.45	5.25	4.54	3.25	7.06	4.54
Spartacus CL	5.58	4.88	5.44	2.49	5.36	4.32	6.70	5.02	3.74	3.28	5.51	5.32

GRAIN YIELD DATA Source: <https://app.nvt.grdc.com.au>

EMY= Environment Mean Yield

>5% above EMY

<5% below EMY

Western Australia												
Region	Agzone 1		Agzone 2		Agzone 3		Agzone 4		Agzone 5		Agzone 6	
Year	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
EMY (t/ha)	5.14	1.87	5.50	3.29	6.06	4.06	5.51	1.82	4.04	3.14	4.94	3.34
No. trials	2	2	7	7	6	6	4	2	6	5	3	3
Spinnaker	5.39	1.92	5.81	3.36	6.33	3.95	5.63	1.70	4.06	2.95	5.27	3.28
Compass	5.26	2.07	5.47	3.52	5.81	4.29	5.56	2.26	4.12	3.58	4.42	3.54
Laperouse	5.29	1.91	5.59	3.38	6.20	4.29	5.62	1.98	4.28	3.43	5.22	3.61
Maximus CL	5.25	2.01	5.62	3.42	6.05	4.24	5.44	2.10	4.24	3.40	5.10	3.60
Neo CL	-	1.99	-	3.44	-	4.14	-	1.78	-	3.18	-	3.58
RGT Planet	5.26	1.74	5.81	3.16	6.31	3.85	5.62	1.50	3.98	2.85	5.28	3.18
Spartacus CL	5.05	1.89	5.21	3.29	5.78	4.12	5.28	2.01	4.02	3.26	4.72	3.41

DISEASE RESISTANCE Source: <https://nvt.grdc.com.au/nvt-disease-ratings>

Spinnaker Disease Resistance Ratings 2024

Disease	QLD	NSW	VIC	SA	WA
Leaf Rust	MSS	MS	S	S	MS
Barley Yellow Dwarf Virus	MRMS				
Cereal Cyst Nematode	S				
Net form Net Blotch	S	MS	S	SVS	MRMS-SVS
Spot form Net Blotch	MS	S	SVS	SVS	S
Powdery Mildew	RMR	RMR	RMR	RMR	R
Scald	-	S	S	S	MR
Black Point	MRMS				

SVS: Susceptible to Very Susceptible, S: Susceptible, MS: Moderately Susceptible, MRMS: Moderately Resistant to Moderately Susceptible, MR: Moderately Resistant, R: Resistant

GRAIN QUALITY Source: <https://app.nvt.grdc.com.au/>

2023 national averages from National Variety Trials

Variety	Retention (%>2.5mm)	Screenings (<%2.2mm)	Test Weight (kg/hl)	Grain Protein (%)
Spinnaker	73.6	5.9	68.3	12.3
Compass	81.4	3.6	68.4	12.2
Laperouse	78.2	4.3	69.5	12.1
Maximus CL	76.2	4.6	70.8	12.4
Neo CL	76.2	4.9	67.1	11.6
RGT Planet	66.4	7.6	67.5	12.4
Spartacus CL	68.7	5.3	70.5	12.8



MALT QUALITY DETAILS* Source: University of Adelaide, AEGIC and SECOBRA over 4 years and 9 locations

***Note that Spinnaker is not yet accredited for malting - the comments and data below are from development work**

Spinnaker has very similar malt quality attributes to RGT Planet - it is suited to both high and medium fermentability brewing styles.

Spinnaker has better modification and vigour than Compass and Spartacus CL and has a low Gibberellic Acid requirement.

Spinnaker also has slightly higher grain protein accumulation than RGT Planet.

Variety	Friability %	WBG mg/L	Viscosity mPa s	HWE (EBC) %	GP %	KI %	FAN mg/L	DP WK	Alpha U/g	Beta U/g	AAL %
Spinnaker	97.5	142.4	1.50	81.4	10.9	44.7	158	315	304.5	334.9	84.6
RGT Planet	94.8	134.4	1.50	81.7	10.7	44.1	154	314	306.8	356.5	84.7
Compass	84.7	337.6	1.61	79.5	11.1	35.6	124	275	261.3	293.3	80.8
Spartacus CL	82.3	364.2	1.60	79.4	11.8	38.5	149	356	277.8	355.7	83.2

WBG: Wort Beta Glucan, HWE: Hot Water Extract, GP: Grain Protein, KI: Modification Kolbach Index, FAN: Wort Free Amino Nitrogen, DP: Diastatic Power, Alpha: Alpha amylase, Beta: Beta amylase, AAL: Apparent Attenuation Limit

BREEDER CONTACT DETAILS

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