

Fleet [Ⓟ] Australia Feed Barley - SA / VIC




Seed Fact Sheet



Key Features

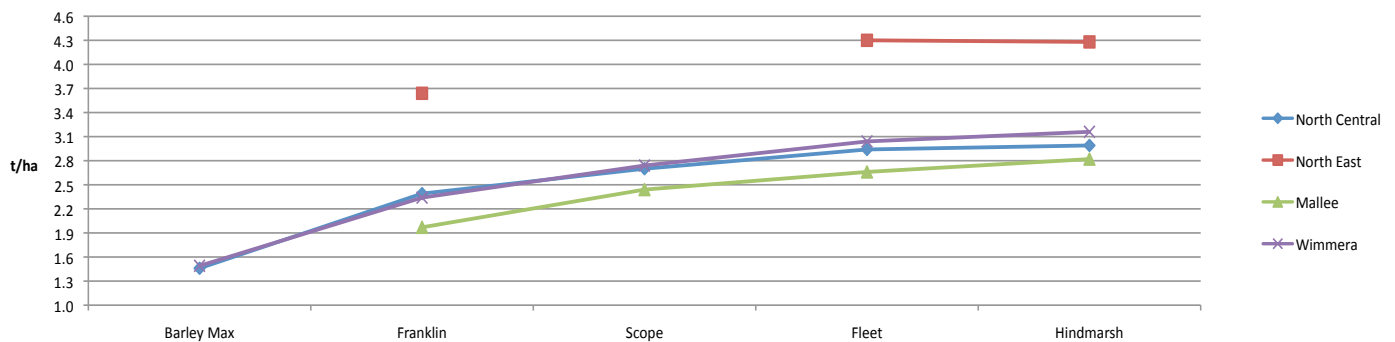
- ✓ Fleet is a broadly adapted feed variety replacement for Barque, Mundah and Keel.
- ✓ Consistent yield advantage over other common feed varieties such as Keel
- ✓ Exhibits a good disease resistance profile, including improved resistance to leaf rust, scald & net blotch
- ✓ Improved yield performance in deep sandy soils
- ✓ Long coleoptile provides an opportunity for deeper sowing
- ✓ CCN resistant
- ✓ National Variety Trials highlight the excellent yield potential and physical grain quality of Fleet

Yearly Rainfall:

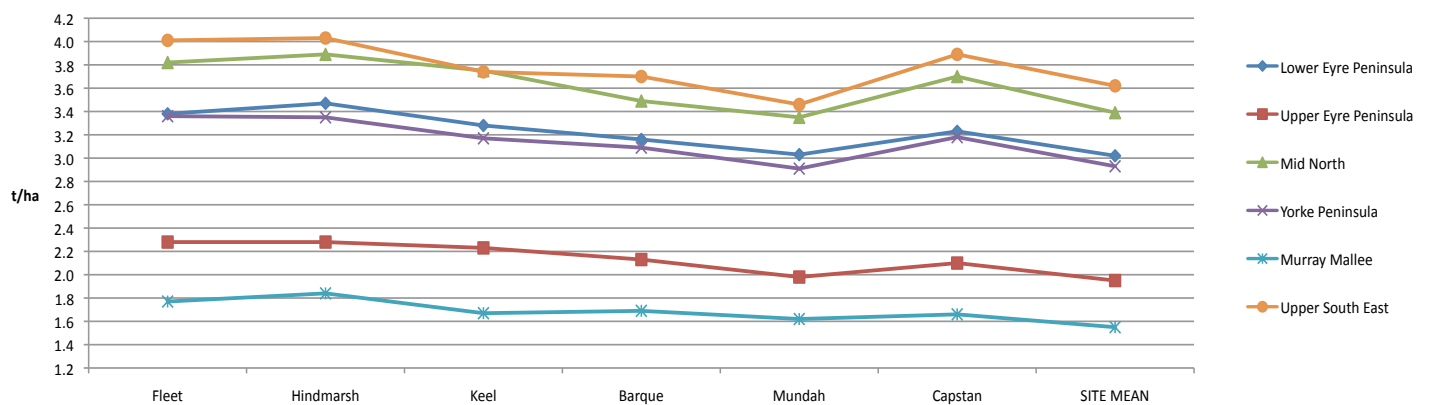
	 Low <380	 Méd 380-480	 High >480
	Fleet	Fleet	Fleet
Time of sowing	Mid-late May	Mid-Late May	Late May- Early June

Variety Specific Agronomic Information

Victoria Long Term (2000-2009) NVT Mean Regional Grain Yield - t/ha



SA Long Term (2000-2009) Mean Regional Grain Yield - t/ha



NVT & SARDI Sites Across Years: Upper SE - Bordertown, Mundulla, Keith; Murray Mallee - Paruna, Lameroo, Cooke Plains; Mid North - Crystal Brook, Salters Springs, Turretfield; YP - Warooka, Pt. Clinton, Bute, Brentwood, Arthurton; Lower EP - Wharminda, Wanilla, Cummins; Upper EP - Minnipa, Darke Peak, Streaky Bay, Elliston. (Source: NVT/SARDI/GRDC)

Disease Profile

	Powdery Mildew	Scald	Spot Form Net Blotch	Net Form Net Blotch	Leaf Rust	CCN	BYDV	Common Root Rot	Black Point
FLEET	MR-MS	MR-MS	MR	MR	S	R	S	MS-S	S
Keel	MR-MS	MS	MR	MS	VS	R	S	S	S-VS
Hindmarsh	MS	#R	S	MR	MS-S	R	S	S	-
Barque	MR	S-VS	MR	MS-S	MS-S	R	S	S	S
Capstan	MR	#MR	MS-S	MS	MS	R	S	S-VS	MS

R = Resistant; MR = Moderately Resistant; MS = Moderately Susceptible; S = Susceptible; VS = Very Susceptible.

= these varieties may be susceptible if alternative strain is present. (Source - Field Crop Pathology Unit (SARDI)).

Avoid where possible sowing barley on barley in order to help lower the risk of new foliar disease strains developing, such as Net Blotch and Scald. Be aware of increased risk to early foliar disease pressure from wind blown spores when deciding on paddocks to sow into barley which are next to last seasons barley stubble that is likely to have a moderate to high level of disease carryover.

Plant Profile

	Maturity	Coleoptile Length	Early Vigour	Early Growth Habit	Tillering Ability	Plant Height	Straw Strength	Head Retention	Boron Leaf Symptoms
Fleet	early	long	mod-high	semi erect	mod-high	medium	mod-high	moderate	moderate
Keel	very early	medium	moderate	erect	moderate	short-med	moderate	mod-low	moderate
Hindmarsh	early	medium	moderate	semi erect	mod-high	medium	high	moderate	mod-high
Barque	early-mid	medium	high	semi erect	mod-high	tall	moderate	moderate	moderate
Capstan	mid	short	low	prostrate	high	short	very high	very high	moderate

(Source: SARDI / UA Barley Breeding Program)

Fleet Australia barley combines the plant architecture and phenology of Barque, the disease resistance and yield potential of Keel, and adaptation to deep sandy soils of Mundah. Fleet exhibits a moderate to short basic vegetative phase and moderate photoperiod sensitivity.

SA Screenings Profile (% <2.2mm)

	2004	2005	2006	2007	2008	2009	Long Term Mean
Fleet	11.5	1.1	6.6	3.4	9.6	2.2	5.7
Keel	17.3	1.3	15.7	9.9	21.6	5.7	11.9
Hindmarsh	-	-	14.3	7.8	18.9	5.1	-
Barque	14.9	0.8	14.1	4.9	13.8	4.9	8.9

Composite Mean screenings performance of Fleet compared with current feed varieties. 2009/10 GTA F1 maximum receival standard 15% (Source: NVT/SARDI/GRDC)

SA Test Weight Profile (kg/hl)

	2005	2006	2007	2008	2009	Long Term Mean
Fleet	66.5	67.8	68.2	67.6	66.7	67.4
Keel	68.8	68.7	67.4	67.5	66.4	67.7
Hindmarsh	-	70.1	69.4	68.5	68.4	-
Barque	68.5	-	68.6	67.4	63.5	-

Composite Mean test weight performance of Fleet compared with current feed varieties. 2009/10 GTA F1 minimum receival standard 62.5 kg/hl (Source: NVT/SARDI/GRDC)

Note: test weight can be increased for harder threshing varieties like Fleet by adjusting harvester settings for drum speed and concave clearance accordingly.

Variety Specific Agronomic Information

Contact & Seed Purchasing

Fleet is sold through your local rural seed retail agent. Check with your local store for seed availability and seek advice from your agronomist on optimum sowing time and crop management. Wholesale distribution by Viterro Seeds.

CONTACT – Viterro Seeds on Toll Free Number
1800 018 205 Website Seeds section - www.viterro.com.au/agriproducts/seed

Craig John - Seeds Manager for SA & WA mobile 0437 011 907 craig.john@viterro.com

Jason Scott - Seeds Manager for VIC/Sth NSW mobile 0458 009 804 jason.scott@viterro.com

Chris Farlow - Seeds Manager for Nth NSW & Sth QLD mobile 0439 277 122 chris.farlow@viterro.com

Plant Breeding Rights & Royalties

Fleet Australia is protected by Plant Breeder's Rights (PBR). Any unauthorised commercial propagation or any sale, conditioning, export, import or stocking of propagating material of this variety is an infringement under the Plant Breeder's Rights Act 1994. Growers are allowed to retain seed from production of this variety for their own use as seed only. (Grower to Grower seed sales are NOT permitted).

Fleet Australia is subject to an EPR of \$1.50 per metric tonne (GST excl.), payable on all production excluding farm saved seed.

Viterro manages the collection of End Point Royalties (EPR) as part of the Plant Breeders Rights variety licencing agreement. The royalties are collected for investing back to the plant breeder for research and development of improved varieties for Australian farmers.

Breeding

Trialled and tested as WI3804, Fleet Australia was bred by Associate Professor Jason Eglinton and Professor Andrew Barr from the University of Adelaide Barley Breeding Program.

