



a two-row feed grain barley with excellent acid soil tolerance

- higher yield than all other approved barley varieties on acid soil ($\text{pH}_{\text{CaCl}_2}$ 4.5–5.5)
- suited to main season sowing
- large grain size and good straw strength
- reliable disease resistance

Adaptation

Tulla[®] is a semi-dwarf, two row, main season feed barley with excellent tolerance to acid soils ($\text{pH}_{\text{CaCl}_2}$ 4.5–5.5). On acid soils Tulla[®] out yields all approved barley varieties and has equivalent yield to Tantangara on non-acid soils. It is an excellent main season feed barley for southern and central NSW.

Tulla[®] has excellent plant stature and combines good straw strength and large grain size

Breeding

Tulla[®] was bred by NSW DPI, Wagga Wagga and was selected for its acid soil tolerance. It was tested as WB230 and its pedigree is Skiff/FM437.

Disease status

Tulla[®] is moderately resistant to the spot form of net blotch, and moderately susceptible to the net form of net blotch.

Tulla[®] is moderately resistant to leaf scald, a significant improvement over Tantangara. It is very susceptible to powdery mildew and susceptible to leaf rust.

Disease status

Disease	Leaf scald	Net blotch		Powdery mildew	Leaf rust
		Net	Spot		
Tulla [®]	MR	MS	MR	VS-S	S
Schooner	MS	MS-MR	MS-S	VS	VS-S
Tantangara	S	S	VS	VS	MS
Urambie [®]	R	R	VS	MS	S-MS

Disease resistance: VS-very susceptible; S-susceptible; MS-moderately susceptible; MR-moderately resistant; R-resistant

Performance • yield

Tulla[®] is high yielding, particularly on acid soils (pH_{CaCl2} 4.5–5.5). On non-acid soils Tulla[®] yield is equivalent to Tantangara.

Performance • grain quality

Tulla[®] is a high quality feed grain with large grain size, a high proportion of plump grain and low screenings.

Yield on highly acid soil

Cultivar	Yield (t/ha)
Tulla [®]	1.41
Gairdner [®]	1.05
Skiff	1.03
Schooner	0.89
Sloop	0.81

Low fertility, highly acid site at Big Springs, southern NSW, 1999
 Soil pH_{CaCl2}: 4.21 (0–10 cm); 4.33 (10–20 cm)
 Exchangeable aluminium: 30%

Grain yield (% Tantangara) and number of trials from 2000–2007 across all soil types in central and southern NSW

Cultivar	Southern NSW		Central NSW	
	Yield (t/ha)	Trials	Yield (% T)	Trials
Tantangara	3.01	66	100	75
Tulla [®]	99	59	97	69
Cowabbie [®]	101	57	98	67
Gairdner [®]	97	66	97	75
Schooner	96	62	93	75

Physical grain quality

Cultivar	Plump grain % >2.5 mm	Screenings % <2.2 mm	Grain weight (g/1000)
Tulla [®]	80	1.8	47
Schooner	89	1.4	45
Tantangara	72	5.0	43

For seed supply and further information please contact your local Waratah Seed Company Ltd. member or go to www.waratahseeds.com.au



Tulla[®] is produced and marketed by Waratah Seed Company Ltd. under exclusive licence from NSW Department of Primary Industries. Tulla[®] is protected by PBR and is subject to a seed royalty, included in the purchase price.

Data presented in this brochure is supplied by NSW Department of Primary Industries.

Disclaimer

The information presented in this document has been prepared with due care, and is accurate at the time of writing (October 2007) and provided in good faith. Waratah Seed Company Ltd. does not accept any responsibility for consequences which may arise from acceptance, or recommendations made.