

2. CEREAL VARIETY TRIALS

2.1 Long Season Barley Trial

Researchers

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Aim

To evaluate a number of long season Barley varieties to assess their yield potential and quality aspects for growing in the high rainfall zone.

VARIETY INFORMATION

Franklin

Very late maturing malting variety that has excellent characteristics that the brewers like. It is classified as moderately resistant to scald although it did suffer badly from scald at a number of locations including Streatham. It has a high yield potential when sown early in the high rainfall zone on well drained soils, although it has a tendency to produce small grain with high screenings especially in a dry spring. Franklin is very intolerant of waterlogging.

Yerong A six row Barley suitable for feed only. Can be high yielding if sown early. Also has potential as a grazing variety

Gairdner

A new variety that is derived from Franklin. Appears to be higher yielding than Franklin with a larger grain size and is resistant to scald. Unlike Franklin it is susceptible to BYDV and leaf rust. Check suitability for malt production.

Tantangara

A scald resistant skiff variety suited to the early planting's in the high rainfall zone. Feed quality only. Very susceptible to powdery mildew.

Yambla

Feed variety. Good acid soils tolerance. Similar scald resistance to Skiff.

YIELD RESULTS

	Hamilton	Hamilton	Hamilton	Streatham	Streatham	Streatham
	Yield T/Ha	% site mean	% Franklin	Yield T/Ha	% site mean	% Franklin
82S:505	6.36	113	100	2.83	100	103
FRANKLIN	6.36	113	100	2.75	97	100
GAIRDNER	6.47	115	102	2.68	95	98
TANTANGARA	6.08	108	96	2.80	99	102
VB9947	5.43	96	85	2.53	89	92
WB217	5.64	100	89	2.84	100	103
WB233	4.71	83	74	2.77	98	101
WB234	4.88	86	77	2.68	95	98
WB235	5.57	99	88	2.54	90	93
WB236	6.08	108	96	2.40	85	87
YAMBLA	6.33	112	99	4.36	154	159
YERONG	3.91	69	61			
mean: (t/ha)	5.65			2.84		
CV	5.70			10.90		
LSD: (t/ha)	0.56			0.54		

	Overall Mean Yield T/Ha	% Franklin	% Overall Mean
YAMBLA	5.34	117	124
82S:505	4.60	101	106
GAIRDNER	4.58	101	106
FRANKLIN	4.55	100	105
TANTANGARA	4.44	98	103
WB217	4.24	93	98
WB236	4.24	93	98
WB235	4.06	89	94
VB9947	3.98	87	92
WB234	3.78	83	87
WB233	3.74	82	87
Overall Mean	4.32		

Some of these varieties are feed varieties and some are suitable for malt production. Please check with your seed supplier for this information. Also check on maturity and disease resistance before making a decision.