

5.5 WHEAT DEMONSTRATION TRIAL - LAKE BOLAC (AWB SEEDS)

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Aim:

To evaluate a range of milling and feed wheats of differing maturities and disease resistance under broad acre farmer sown plots.

Background:

While the emphasis of the wheat evaluation program in the western districts over the last two years has been on high yielding long season feed wheats, many growers still want the option of growing potentially high quality milling wheats of differing maturity. This trial was first established five years ago to look at potential milling wheat options. Since then ten separate trials have been run over a wide range of locations and season. These trials are sown and managed by the local oldholder and hence they tend to mimic closely what is happening in the paddock based on current farming practice.

Results:

Variety	Yield T/ha	Protein %	Screenings %
Mackellar	5.8	12.1	9.3
Rudd	6.3	11.7	3.6
Brennan	7.6	11.9	4.1
Tennant	6.6	12.3	3.6
Kellalac	4.6	13.8	4.0
Wedgetail	4.6	14.0	2.7
Chara	5.2	13.4	3.2
Bowerbird	4.5	13.6	3.4
Yitpi	4.7	13.4	2.7
QT 7208	4.7	12.9	2.6
Silverstar	4.8	12.6	4.5
LR 1075 (was W29)	4.8	12.8	2.6

Conclusions:

The results must be treated with caution as one years results can be misleading. This season has seen very little rainfall in the grain fill period. Varieties should be selected that have the best diseases resistance available for the diseases that can be expected in the Western District.

The rust outbreaks that occurred last season were caused by different strains to what we have seen in the past. It should be noted that this site was sprayed twice with a fungicide spray to control the leaf rust. It is worth while to note that there was no BYDV virus around last season.

Methodology.

The demonstration plots trials were established to test different wheat varieties under broad acre type conditions. Each plot sown is 10 meters width and 100 meters in length.

The control plots were the Standard variety Kellalac.

All the plots were sown with a 24 run John Shearer combine and harvested with a Class auto header.

Winter Wheat Varieties:

Mackellar, Rudd, Brennan, Tennant

Sowing Date: 29/4/2993,

Sowing Rate: 103 kg/ha Fertiliser :
107 kg/ha DAP

Spring Wheat Varieties:

Kellalac, Wedgetail, Chara, Bowerbird, Yitpi,

QT 7208, Silverstar, LR 1075

Sowing Date: 11/06/03

Sowing Rate: 103 kg/ha

Fertiliser: 107 kg/ha DAP

Chara was the top yielding variety in the milling wheat demo site and Brennan was the highest yielder of the winter wheat varieties.

Acknowledgments:

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