

Wheat Variety Demonstration

Aim: To assess the yield and quality of a range of wheat varieties in the L2 rainfall zone.

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Company: Liebe Group

Farmer: Peter and Colin Bryant
Location: Latham



Background: Shenton is an early maturing Westonia and Kalannie replacement. It has triple rust resistance and is currently classified as APW. Bonnie Rock is a mid-season AH wheat, it is susceptible to stripe rust. It does however have good resistance to stem and leaf rust. EGA Blanco is a mid-season APW variety with similar maturity to Carnamah and Wyalkatchem. It has Moderate resistance to stem and stripe rust.

Trial Details:

Plot size and replication	100m x 12m, 2 replicates
Soil type	Salmon Gum/ Gimlet pH 6
Sowing date	29 th May
Conditions at sowing	Good soil moisture
Machinery	Flexi-Coil, 9 inch spacings, press wheels
Seeding rate	70 kg/ha
Fertiliser	29 th May: 70kg MAP, 80kg Urea Post-Sowing: 60 kg/ha Urea
Herbicides and Insecticides	29 th May: Treflan 1.5L, 1L Glyphosate 26g Logran Post; sowing: 1L/ha 2,4,D Amine
Paddock History	2003 = Chick Peas, 2002 = Wheat, 2001= Chick Peas

Results:

Means	Yield	Protein	Weight	Screenings	Price	Gross Margin
Carnamah	1.98	16	79.42	0.35	230.5	456
Wyalkatchem	1.91	15.5	79.98	0.27	218	417
Bonnie Rock	1.80	15.6	80.24	0.2	230.5	414
Blanco	1.49	16.4	79.62	0.57	218	325
Shenton	1.15	16.8	79.34	0.63	218	250
L.S.D.	0.46					

*Assuming APW \$197, AH \$204.50

Summary:

- ♣️ Carnamah was the highest yielding variety and returned the greatest gross margin.
- Two recently released varieties, Blanco and Shenton, don't appear to be well suited to this environment.
 - There was no rust seen in this trial. If disease was present some of the newer varieties may have performed better than Carnamah and Wyalkatchem.

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Technically reviewed by: Martin Harries