

# Wheat Variety Demonstration

**Aim:** To assess the potential of new and existing wheat varieties east of Buntine.

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**Company:** Liebe Group

**Farmer:** Ross Fitzsimons  
**Location:** East Buntine



**Background:** Shenton is a new GBA variety and is a Westonia and Kalannie replacement, well adapted to low and medium rainfall zones. Resistant to three rusts, powdery mildew and black point. Drysdale is a new short season, similar maturity to Westonia, AH wheat. It has an osmotic regulation gene to give it a level of 'drought resistance'. It has rust resistance and could potentially be a good wheat for low rainfall zones

## Trial Details:

Plot size and replication	13.4m x 100m, 2 replicates
Soil type	Sand/Gravel, pH 4.6
Sowing date	23 <sup>rd</sup> May
Conditions at sowing	Soil moisture
Machinery	Flexi-Coil Bar
Seeding rate	65 kg/ha
Fertiliser	90 kg Agflow treated with 2 kg/tonne Triad
Herbicides and Insecticides	17 <sup>th</sup> May - 800 Roundup Max, 35 g Logran, 0.5 L Ester 60% 23 <sup>rd</sup> May - 1.5 L Treflan, 1.5 L Spray.Seed
Paddock History	2002 = Pasture, 2001 = Wheat, 2001 = Lupins

## Results:

Variety	Yield t/ha	Protein %	Weight kg/hl	Screenings %	Return \$/ha
Carnamah	1.9	11.5	76	4.05	AH-440
Drysdale	1.62	12.2	77.46	9.5	AH-355
Shenton	1.45	11.3	77.04	3.63	APW-326
Calingiri	2.16	9.4	79.88	1.47	Noodle-507
Arrino	2.1	10.8	78.98	1.57	Noodle-484
L.S.D. (0.05)	0.593				

## Summary:

- There was no significant yield difference between the hard wheats, however Carnamah did have a higher yield than both Drysdale and Shenton.
- Calingiri out performed Arrino in this particular trial.