

To investigate the potential for noodle wheat varieties to achieve premium prices.

BACKGROUND

Premium choice wheat varieties are targeted to better match quality with demand for international markets so as to preserve the value of the Australian wheat crop. Premium prices are paid for these varieties in an effort to encourage growers to increase their plantings of these varieties. Noodle wheat varieties Arrino and Cadoux receive an extra \$14/t under the AWB Premium Choice Varieties Scheme. This trial compares these varieties with more commonly grown Calingiri and a hard wheat variety Eagle Rock.

TRIAL DETAILS

Property	Clinton Hunt, Marchagee
Plot size & replication	150m x 13m x 3 replications
Soil type	Loamy Sand
Sowing date	20/6/06
Seeding rate	70 kg/ha of Calingiri, Cadoux, Arrino and Eagle Rock
Fertiliser (kg/ha)	100 L/ha Flexi N at seeding, 100 kg/ha Macro pro extra - 2/3rds banded 1/3rd with seed
Paddock rotation	2005= Wheat, 2004= Lupins, 2003= Wheat, 2002= Wheat
Herbicides	1 L/ha glyphosate, 800 mL/ha paraquat + 50 mL/ha oxyflurafen + 2 L/ha trifluralin, 500 mL/ha Jaguar + 600mL MCPA LVE+ 8g Logran
Growing Season Rainfall	149mm (April – October)

RESULTS

Table 1: Yield and quality and of wheat varieties.

Treatment	Yield (t/ha)	Protein (%)	Screenings (%)	Hectolitre (g)	Payment Grade
Calingiri	1.31	12.8	9.20	376.8	ASW
Cadoux	1.31	13.0	8.26	375.9	ASW
Eagle Rock	1.21	13.4	9.46	371.2	AH
Arrino	1.14	12.9	6.77	386.0	ASW
LSD	n.s				

ECONOMIC ANALYSIS

Table 2: Economic Analysis (\$/ha).

Treatment	Yield (t/ha)	Gross Return	Variable Costs	Gross Margin
Calingiri	1.31	267.24	209.04	58.2
Cadoux	1.31	269.86	209.04	60.82
Eagle Rock	1.21	260.15	209.04	51.11
Arrino	1.14	238.26	209.04	29.22

Based on EPR of \$210/ha ASW and \$222/ha AH farm gate price as of 28th December 2006

COMMENTS

- There were no significant differences in yields between all varieties.
- Dry growing season conditions may have restricted growth of yield components resulting in an evening out of yield between varieties.
- Experimental error may have slightly reduced yields of Cadoux.
- High screenings and high protein meant the wheat was paid on ASW prices and premiums were not gained

ACKNOWLEDGEMENTS: Clinton Hunt for running the demonstration.

PAPER REVIEWED BY: BRIANNA PEAKE

LONGREACH PLANT BREEDERS WHEAT VARIETY TRIALS - 2006

Matu Peipi & Matt Whiting, LongReach Plant Breeders



AIM

To evaluate new wheat germplasm adapted to the main Western Australian Agricultural Zones and develop and release commercial varieties to WA farmers.