

B4. Row spacing x edge row effect, H-MRZ (Wagga Wagga), New South Wales

Aim

To investigate the effects of row spacing and effect row across a range of advanced varieties on yields of Faba bean at Yenda in south western NSW.

Treatments

2 Faba bean varieties x +/- edge rows x 4 rows spacing configurations

Varieties:	Farah, AFO3063
Sowing dates:	19 th May
Edge row:	retained or removed at plant maturity
Row Spacing/Stubble:	20cm, 30cm, 40 & 50cm
Fertiliser:	Legume Starter @ 115kg/ha at sowing banded with seed

Results and Interpretation

- Grain yields - The effects of variety, row spacing and edge row effects as single factors were found not to be significant ($P < 0.005$). There was also no significant interaction of any of the combination of treatments detected. No differences were detected across row spacing's and varieties. Whilst this is a non significant result, this does tell us that no yield penalties are incurred by widening row spacing out to 50cm. This results suggests that faba bean maybe a good crop choice in large stubble retention farming systems and where wider planting rows are need to sow the crop through the stubble (without the need to burn or cultivate).

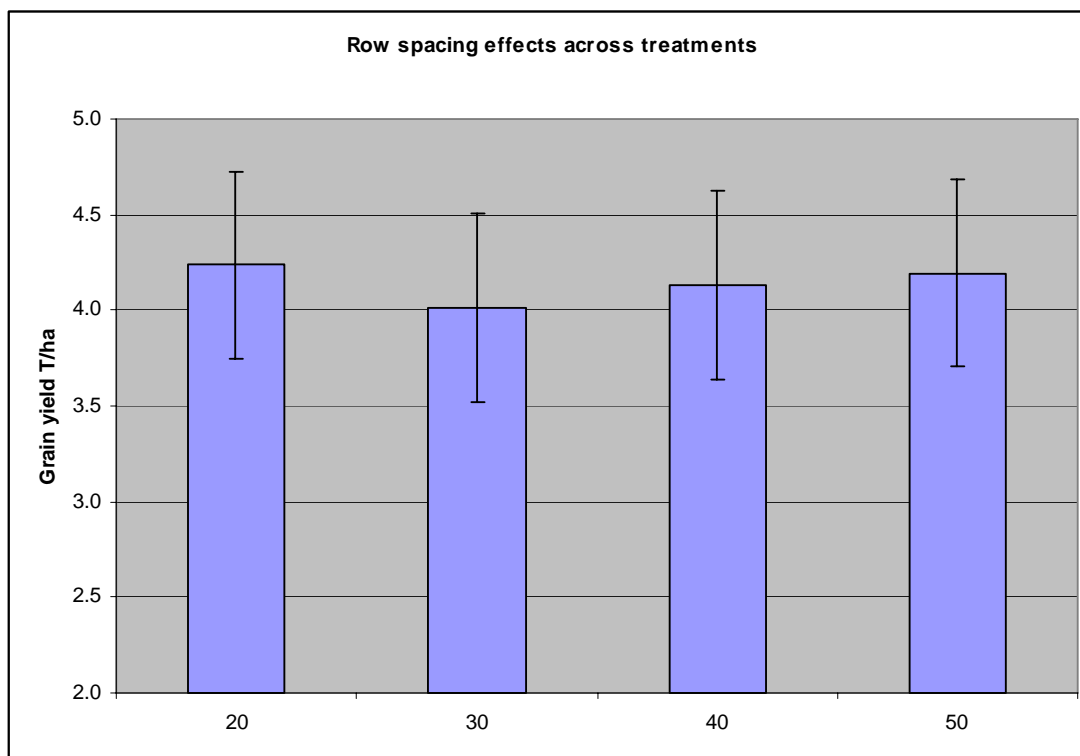


Figure B4.1. The main effect of row spacing on grain yield (t/ha) of faba beans at Wagga in 2010.