

Canola and Mustard

Row Space, Merriwagga

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There was no significant difference in yield of any of the canola or mustard varieties between 15 cm and 60 cm row spacing in this trial, which was severely affected by drought.

The Trial

The aim was to observe and measure the influence on yield of two row spacings (15 cm and 60 cm) in five canola varieties and two mustard varieties.

Site details

Location: Merriwagga CWFS research site.

Soil type: red sandy loam overlying calcareous subsoil.

Rainfall: average annual 370 mm, growing season Apr-Oct 220 mm.

Management

The paddock was an 18 month fallow (chemical). The trial was sown on 7 May, with seeding rate targeting 40 plants/m², varying between varieties. Granulock 15 (60 kg/ha) was banded with the seed, and 1.2 L/ha TriflurX® + 2 L/ha Roundup

PowerMAX™ was incorporated by sowing (IBS). The trial was harvested on the 12 November.

Treatments

Five varieties of canola and two varieties of mustard were sown at 15 cm and 60 cm row spacings.

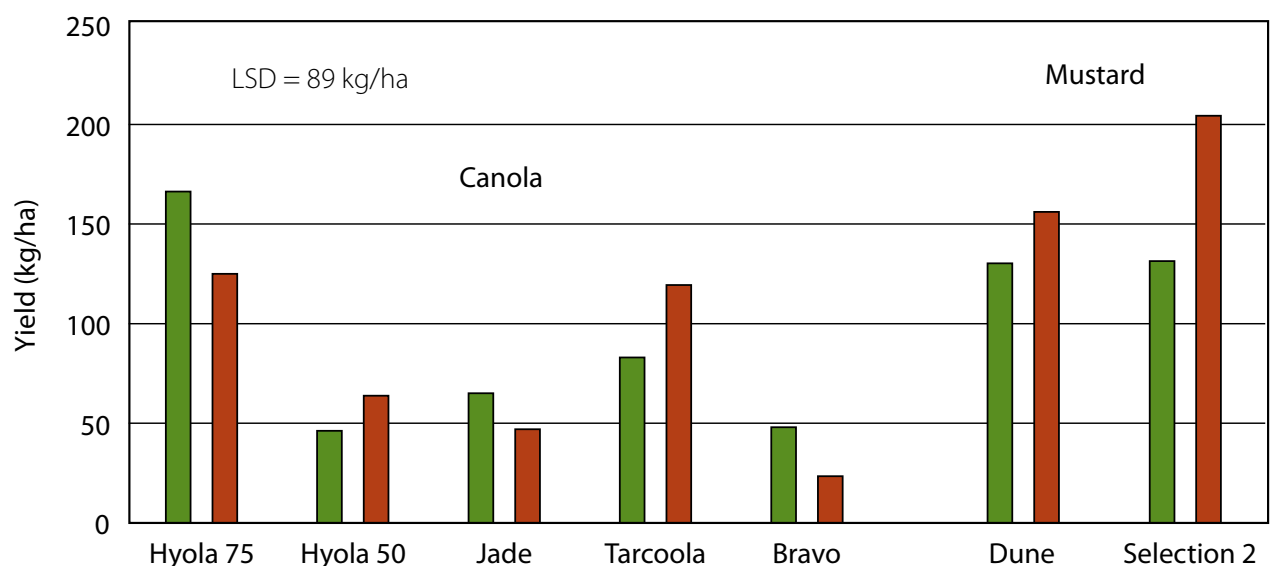
Canola varieties	Hyola 75 (Conventional)
	Hyola 50 (Conventional)
	AV Jade (Conventional)
	Tarcoola (Conventional)
	Bravo TT (Triazine tolerant)
Mustard varieties	Dune (canola quality)
	Selection 2 (condiment mustard)

Seasonal review

A good early start allowed timely sowing, unfortunately by August conditions became extremely dry. In total only 96 mm fell between April and October. This trial survived mostly on stored subsoil moisture, but struggled severely during pod fill.

Results

The yield results are presented in the figure below.



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Interpretation of results

Statistically, no variety showed any significant difference in yield between the two row spacings.

Wider rows in this trial delayed flowering by at least 5 days in all varieties.

It was evident however that the varieties mustard varieties seemed to branch out and handle the wider rows better than the canola varieties.

There were some plots affected by an allelopathic effect from camel melons. Those plots were excluded from the analysis.

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Further information: available from the project team agronomists at NSW DPI Wagga Wagga, Condobolin, Parkes, Hillston, Temora, Cowra and Moulamein.



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Disclaimer: The information contained in this publication is based on knowledge and understanding at the time of writing (March 2008). However, because of advances in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check currency of the information with the appropriate officer of New South Wales Department of Primary Industries or the user's independent adviser.

Variety Specific
AGRONOMY
Packages