

# Angustifolius lupin variety testing Badgingarra

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<b>Purpose:</b>	To test a wide range of current varieties of Angustifolius lupin.
<b>Location:</b>	Badgingarra
<b>GSR:</b>	432mm

## BACKGROUND SUMMARY

Crop variety testing trials include the latest varieties and older standard varieties against which these are compared.

## TRIAL DESIGN

- Plot size:** 20m x 1.54m
- Replicates:** 3 with each treatment randomised within each replicate.
- Machinery:** Furrow sown using knife points and press wheels
- Fertiliser:** **At seeding:** CSBP superphos® 100 kg/ha (26 May)
- Herbicide:** **At seeding:** Treflan® @ 1.5 L/ha; Simazine @ 1.5 L/ha applied  
**Post:** Brodal®150 mL/ha (25 June); Select® @ 500 mL/ha (29 June).
- Insecticide:** Dominex® @ 100 mL/ha (26 August); Dominex® @ 100 mL/ha (17 September)

## RESULTS

Variety	Yield (kg/ha)	Yield % of Belara
Mandelup	3636	126*
Jenabillup	3447	119*
Jenabillup	3399	117*
Coromup	3321	115*
Mandelup	3211	111
Tanjil	3011	104
Belara	2895	100
Danja	2606	90
Quilnock	2439	84*

\* = significant ( $p=0.05$ ).

## DISCUSSION

Despite the lower yield of Tanjil compared to some other varieties Tanjil is still recommended in the high rainfall area because it is the variety with the best resistance to anthracnose. Mandelup performed well however it has lower tolerance to anthracnose than Tanjil so should not be used in blue lupin areas. While Jenabillup has good resistance to black pod syndrome which is thought to be associated with bean yellow mosaic virus it only has moderate resistance to anthracnose and tolerance to metribuzin so should be used with caution if sowing in high rainfall blue lupin areas or in paddocks suspect of having large broadleaf weed seed banks.

## ACKNOWLEDGEMENTS

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