

Lupin CVT Demonstration

Aim: Assess the potential of a range of Lupin varieties in the M2 rainfall zone.

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Company: Liebe Group, DAWA



Department of Agriculture
Government of Western Australia



Farmer: Rod Birch

Location: East Coorow

Background: Mandalup is a new lupin variety released by the Department of Agriculture. With early maturing and a good tolerance to metribuzin the variety looks to be well suited to this area. This demonstration was designed to assess the yield and quality of Mandalup against two other commonly grown lupin varieties.

Trial Details:

Plot size and replication	2 replicates, 60m x 13.5m
Soil type	Pear trees and loamy sand
Sowing date	7 th May
Conditions at sowing	Dry
Machinery	Flexi coil, 9 inch knifepoints and press wheels.
Seeding rate	90 kg/ha
Fertiliser	Summit Legume Plus (70 kg/ha)
Herbicides and Insecticides	7 th May: Simazine 1.4 kg/ha granule 9 th June: Brodal 125 mL/ha, Dimethoate 100 mL/ha 21 st June: Motsa 280 mL/ha + kwiken 1%
Paddock History	2003 = Wheat, 2002 = Wheat, 2001= Lupins

Results:

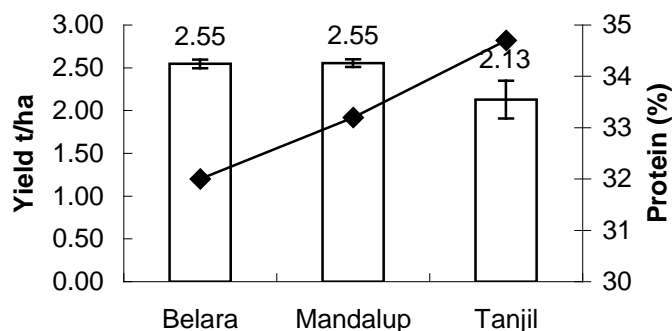


Figure 1: Yield (Bars) and Protein (Line) of three lupin varieties in the Coorow district.

Summary:

- The yields of Mandalup and Belara were the same, however Tanjil was a significantly lower yielding variety.
- Mandalup looks to be a good option for this environment with its high yield, metribuzin tolerance and early flowering.
- Mandalup did have a higher percentage protein than Belara, however this was less than Tanjil.

Technically reviewed by: Greg Shea