

Lupin CVT Demonstration

Aim: Assess the potential of a range of Lupin varieties in the L2 rainfall zone.

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Company: Liebe Group, DAWA

Farmer: Peter Bryant

Location: East Maya



Department of Agriculture
Government of Western Australia



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. In this trial a local selection by Peter Waterhouse was also compared.

Trial Details:

Plot size and replication	2 replicates, 16.5m x 100m
Soil type	Loamy sand, Tamma
Sowing date	11 th May
Conditions at sowing	Had 12mm of rain
Machinery	Flexi Coil 18inch
Seeding rate	80 kg/ha
Fertiliser	Summit Legume Special 60 kg/ha
Herbicides and Insecticides	7 th May simazine 1.2kg/ 0.5kg Atrazine Post sowing: 70mLs Brodal/0.3kg Simazine 200mLs Aramo, 100mLs Targa
Paddock History	2003 = Wheat, 2002 = Lupin, 2001= Wheat

Results:

Table 1: Yield comparison for a number of lupin varieties

Variety	Yield t/ha	% of Belara
“Waterhouse”	0.86	81
Belara	1.05	100
Tanjil	1.17	111
Mandalup	1.22	116
L.S.D.	0.04	

Summary:

- Mandalup yielded significantly higher than all other varieties tested in this demonstration.
- The Mandalup set pods early compared to other varieties. If it wasn't for a late rainfall event, we would have expected a large difference in yield between Mandalup and the other varieties tested.

Technically reviewed by: Greg Shea