

Lupin Crop Variety Trial - Coorow

Australian Crop Accreditation System Limited

Aim

To evaluate yields and quality of new and existing lupin varieties.

Background

NVT is a national program of comparative crop variety testing with standardised trial management, data generation, collection and dissemination. The program is supported by the Australian Government and growers through the Grains Research and Development Corporation and is managed by the Australian Crop Accreditation System Limited.

Trial Details

Property	Bruce White, north of Coorow
Plot size & replication	1.4m x 20m x 3 replications
Soil type	Sand
Variety	As per protocol
Seeding date	3/5/12
Fertiliser	3/5/12: 80 kg/ha Big Phos Manganese
Herbicides	3/5/12: 200 mL/ha Bifenthrin, 100 mL/ha Alpha-cypermethrin, 2 L/ha Simazine, 1.5 L/ha Trifluralin 29/6/12: 500 mL/ha Simazine, 150 mL/ha Diflufenican 9/7/12: 500 mL/ha Clethodim, 1% Hasten
Growing Season Rainfall	204.8mm

Results

Table 1. Yield of lupin varieties sown north of Coorow.

Variety Name	Yield (t/ha)	Percentage of site mean (%)
Danja	2.54	126
Jenabillup	2.46	122
PBA Gunyidi	1.99	98
Tanjil	1.76	87
Mandelup	1.74	86
Site Mean (t/ha)	2.02	
CV (%)	12.5	
Probability	<.001	
LSD (t/ha)	0.59	30

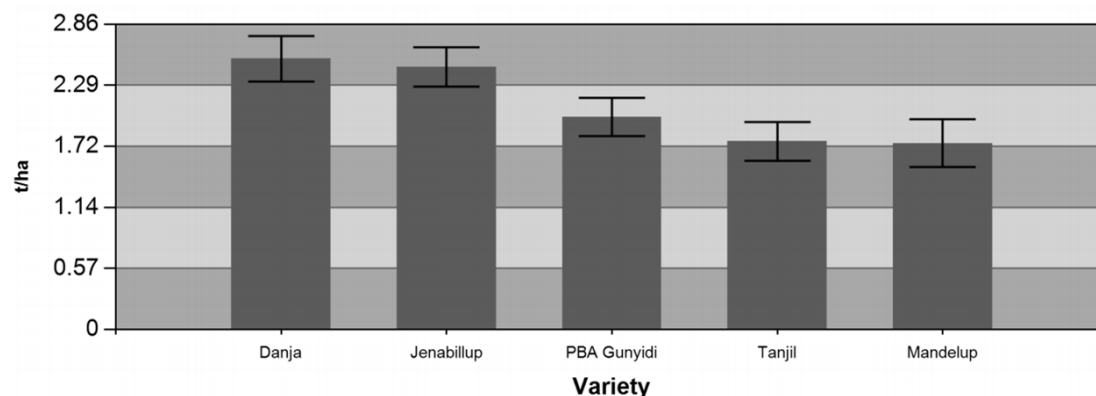


Figure 1: Yield comparison of lupin varieties sown north of Coorow.

Comments

- For more information please refer to www.nvtonline.com.au