

Lupin Crop Variety Trial – Wongan Hills

Australian Crop Accreditation System Limited

GRDC Grains Research & Development Corporation
Your GRDC working with you

National
Variety
Trials

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 Development Corporation and is managed by the Australian Crop Accreditation System Limited.

Trial Details

Property	Wongan Hills
Plot size & replication	10m x 2m x 3 replications
Soil type	Sandy loam
Soil pH (CaCl ₂)	0-10cm: 5.9
EC (dS/m)	0-10cm: 0.1
Seeding date	01/05/2014
Fertiliser	01/05/2014: 80 kg/ha Big Phos
Herbicides & Insecticides	01/05/2014: 2 L/ha Trifluralin, 2 L/ha Paraquat + Diquat, 1.1 Kg/ha Simazine
	19/05/2014: 150 mL/ha Diflufenican
	05/06/2014: 500 mL/ha Clethodim, 1% Hasten
	10/08/2014: 300 mL/ha Alpha-cypermethrin
	25/08/2014: 300 mL/ha Alpha-cypermethrin
Growing Season Rainfall	243mm

Results

Table 1: Yield of lupin varieties sown at Wongan Hills.

Variety Name	Yield (t/ha)	Percentage of Site Mean (%)
PBA Barlock	1.76	102
Jenabillup	1.75	102
Mandelup	1.74	101
PBA Gunyidi	1.72	100
Tanjil	1.50	87
Coromup	1.49	87
Danja	1.44	84
Site Mean (t/ha)	1.72	
CV (%)	9.1	
Probability	<0.001	
LSD (t/ha)	0.23	13

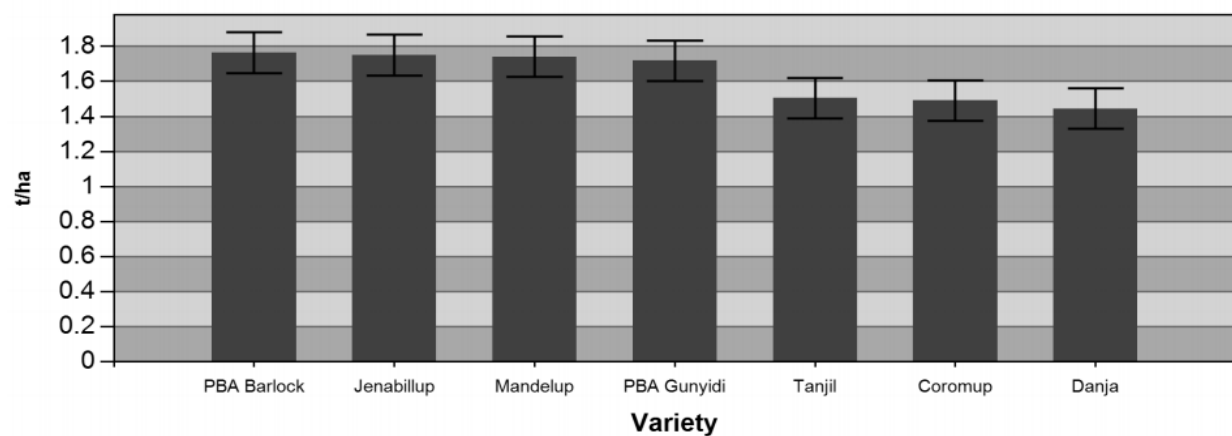


Figure 1: Yield comparison of lupin varieties sown at Wongan Hills.

Comments

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