

Lupin Crop Variety Trial - Wubin

Australian Crop Accreditation Systems Limited

GRDC Grains Research & Development Corporation
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National
Variety
Trials

Aim/ Background

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

Trial Details

Property	G & H Pearse Pty Ltd, west Wubin		
Plot size & replication	1.54m x 20m x 3 replications		
Soil type	Yellow sand		
Soil pH (CaCl ₂)	0-10cm: 5.3	10-20cm: 4.3	20-40cm: 4.3
EC (dS/m)	0.085		
Paddock rotation	2010: lupin, 2011: wheat, 2012: wheat		
Seeding date	07/05/13		
Fertiliser	07/05/13: 80 kg/ha Big Phos Manganese		
Herbicides	07/05/13: 1.5 L/ha Trifluralin, 2 L/ha Spray.Seed 250, 1.1 kg/ha Simazine		
	09/05/13: 100 ml/ha Bifenthrin		
	03/06/13: 150 mL/ha Brodal		
	17/06/13: 500 mL/ha Clethodim, 1% Hasten		
Growing Season Rainfall	228mm		

Results

Table 1: Average yield data of six lupin varieties grown in 2013 at west Wubin.

Variety	Yield (t/ha)	Percentage of site mean (%)
PBA Barlock	1.71	101
Danja	1.67	99
Jenabillup	1.61	95
Mandelup	1.57	93
PBA Gunyidi	1.53	91
Tanjil	1.51	89
Average	1.60 t/ha	
L.S.D.	0.25 t/ha	16
C.V.	8.50%	
Probability	<0.001	

Comments

The NVT trials are just one source of information on which growers can base management decisions on retention release or adoption of new varieties. Growers must use more than one information source when making significant management decisions in relation to cropping varieties.

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