

Chickpea Crop Variety Trial - Dalwallinu

Australian Crop Accreditation System Limited



Aim

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

Background

NVT is a national program of comparative crop variety testing with standardized 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	Wenballa Farm, east of Dalwallinu
Plot size & replication	20m x 1.4m x 3 replications
Soil type	Loamy clay
Soil pH (CaCl ₂)	0-10: 7.1, 10-20: 7.4, 20-40: 7.8
EC	0.135 dS/m
Paddock rotation	2009 field peas, 2010 wheat, 2011 wheat
Variety	As per protocol
Seeding date	6/6/12
Seeding rate	120 kg/ha
Fertiliser	6/6/12: 80 kg/ha DAP
Herbicides	6/6/12: 100 g/ha Isoxaflutole, 200 mL/ha Bifenthrin, 100 mL/ha Alpha-cypermethrin, 1.5 L/ha Trifluralin, 2 L/ha Paraquat 135 g/L Diquat 115 g/L. 19/7/12: 1 L/ha Chlorothalonil 23/7/12: 500 mL/ha Clethodim, 1% Hasten 12/9/12: Alpha-cypermethrin
Growing Season Rainfall	132mm

Results

Table 1: Yield of chickpea varieties sown east of Dalwallinu.

Variety	Yield (t/ha)	Percentage of site mean (%)
Genesis 079	1.22	123
PBA Striker	1.16	117
Genesis 836	1.09	110
PBA Slasher	1.07	108
Genesis 090	1.02	103
Ambar	1.00	101
Neelam	0.99	100
Genesis 090	0.84	85
Howzat	0.77	77
Moti	0.49	50
Site Mean (t/ha)	0.99	
CV (%)	11.5	
Probability	<0.001	
LSD (t/ha)	0.18	18

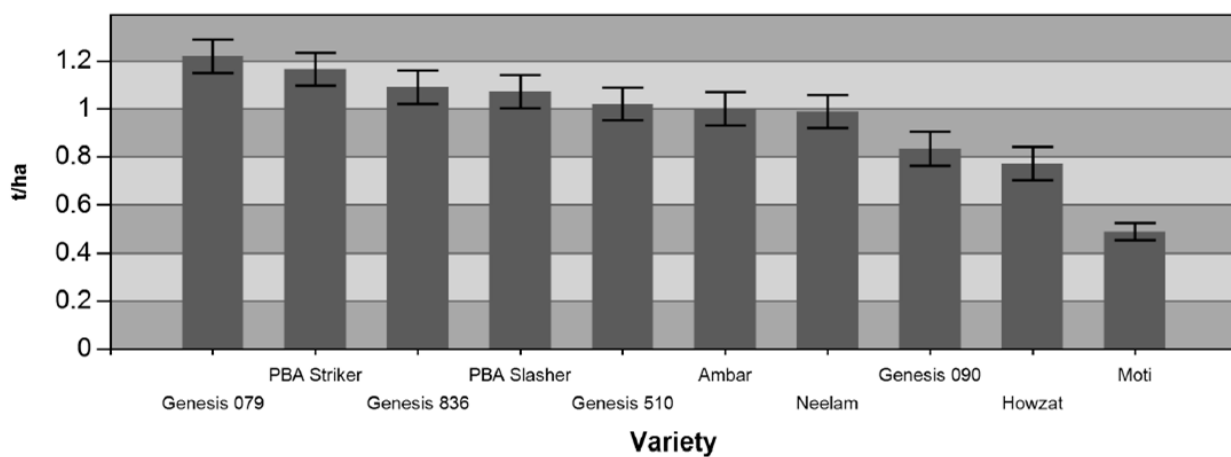


Figure 1: Yield comparison of chickpea varieties sown east of Dalwallinu.

Comments

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