

Wheat National Variety Trial - Eneabba

Australian Crop Accreditation System Limited



Aim

Wheat variety evaluation

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	Nick Ashby, Eneabba
Plot size & replication	1.76m x 12m x 3 replications
Soil type	Loam
Soil pH (CaCl₂)	4.7
EC	0.081 dS/m
Paddock rotation	2009 wheat, 2010 lupins
Seeding date	31/5/11
Seeding rate	75 kg/ha
Fertiliser	31/5/11: 100 kg/ha Urea, 100 kg/ha Gusto Gold 10/8/11: 160 kg/ha MAXam
Herbicides	31/5/11: 2.5 L/ha Roundup PowerMax, 2 L/ha Trifluralin X, 1.5 L/ha Chlorpyrifos 5/7/11: 1 L/ha Velocity, 500 mL/ha MCPA LVE, 1 %v/v Hasten
Growing Season Rainfall	400mm

Results

Table 1: Yield and quality of wheat varieties sown at Eneabba.

Variety Name	Yield (t/ha)	Percentage of site mean (%)	Protein (%)	Screenings
Scout	3.56	83	10.9	3.83
Envoy	3.82	89	12.2	2.88
Wedin	3.83	89	10.5	4.70
Clearfield Stl	3.85	90	11.2	4.87
Justica CL	3.85	90	11.2	1.68
Yandanooka	3.91	91	10.9	2.37
Estoc	3.93	91	11.2	3.68
Zippy	4.01	93	11.9	1.84
Sabel CL Plus	4.02	93	11.6	2.80
AGT Katana	4.12	96	11.4	5.63
LongReach Impala	4.15	97	10.6	1.74
Wyalkatchem	4.16	97	11.4	2.52
Impose CL Plus	4.17	97	12.0	1.49
Arrino	4.18	97	11.0	1.17
Kord CL Plus	4.19	97	11.4	3.77
Fortune	4.29	100	11.6	2.27
Emu Rock	4.33	101	11.3	5.62
Kunjin	4.40	102	10.7	3.36
Espada	4.42	103	11.7	2.51
Calingiri	4.45	103	10.7	2.27
Magenta	4.45	103	10.8	4.09

Variety Name	Yield (t/ha)	Percentage of site mean (%)	Protein (%)	Screenings
King Rock	4.53	105	11.7	2.59
Westonia	4.57	106	11.3	1.71
Mace	4.66	108	10.9	3.01
LongReach Cobra	4.70	109	10.5	1.77
Corack	4.82	112	11.1	2.66
Carnamah	4.84	113	10.8	2.05
Site Mean (t/ha)	4.30			
CV (%)	4.7			
Probability	<.001			
LSD (t/ha)	0.35	8		

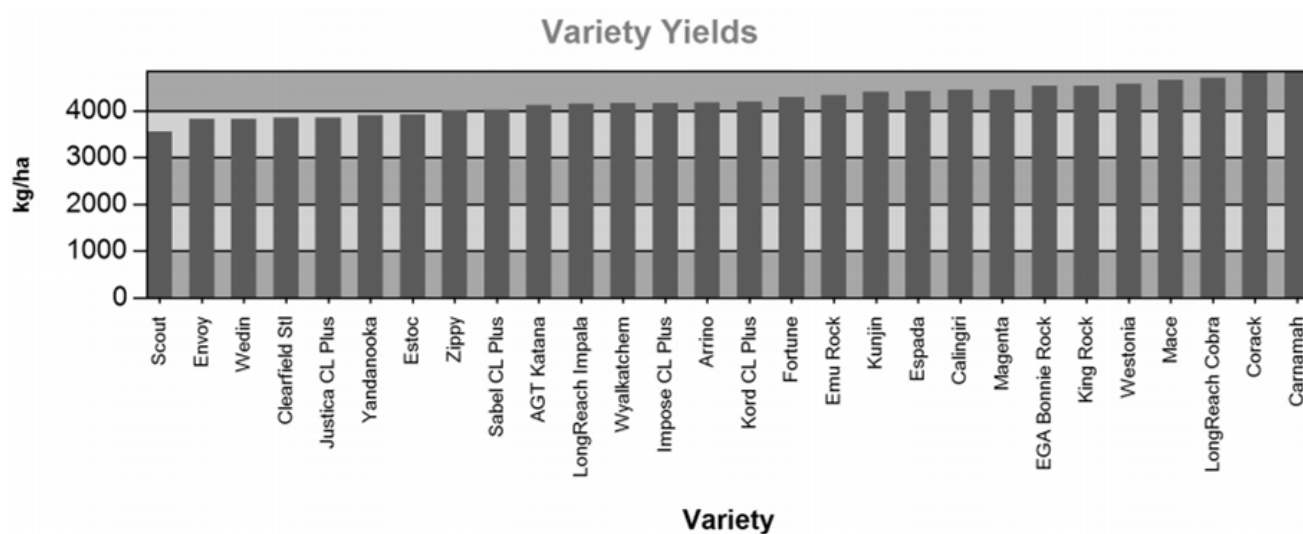


Figure 1: Yield comparison of wheat varieties sown at Eneabba.

Comments

- For more information please refer to www.nvtonline.com.au
- NVT results will be presented at the Liebe Group Updates on the 7th of March 2012.