

Wheat Variety Trial 2014

This trial was sown, following pre-irrigation, on May 1st with variable sowing rates ranging from 66 - 117 kg/ha aiming at 175 plants/m². Conditions at sowing were very moist, and along with some compaction issues, establishment rates were slightly below average at 64% instead of the average 70%, for an average plant population of 160 pl/m².

The trial was supplied with a total of 260 kg N/ha from all sources (soil, mineralisation and fertiliser) - enough for a 6.5 t/ha crop of APW quality wheat. Similar to the barley trial result, protein was lower than expected, most likely due to waterlogging and denitrification during June and July. N losses appear to have been greater in the wheat trial when compared to the barley trial, probably due to the poorer drainage further down the bay.

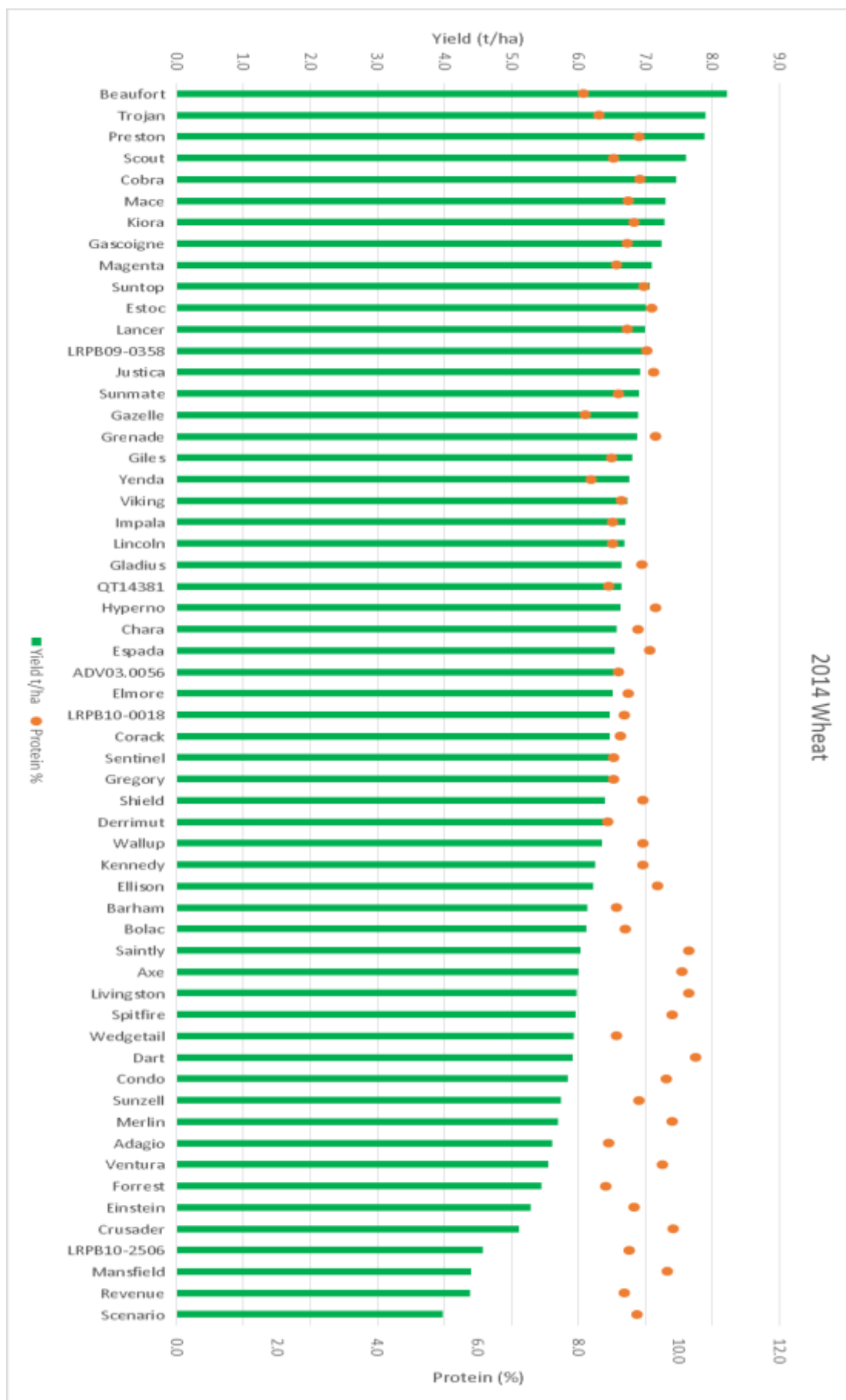
The trial received two fungicides applications as a prophylactic treatments as no stripe rust was detected through the season.

The trial was irrigated three times in spring, August 25th, September 19th and October 15th.

Harvested on November 27th, the trial averaged 6.4 t/ha.

The table below summarises the performance of the varieties from the trials conducted at Kerang, as well as from the Irrigated Cereals Project (ICP) that was across a number of sites in the Murray and Murrumbidgee Valleys over 4 years.

Wheat	2008	2009	2010	2011	2012	2013	2014	Average	ICP
Trojan					118%	110%	124%	117%	
Cobra					118%	114%	117%	116%	
Gazelle			101%		120%	109%	108%	109%	
Lancer					114%	102%	110%	109%	
Scout		93%	106%	106%	120%	106%	119%	108%	100%
Mace						100%	114%	107%	96%
Beaufort	98%	96%	112%	100%			129%	107%	94%
Kiora						98%	114%	106%	
Suntop					110%	97%	111%	106%	100%
Derrimut	100%	100%	100%	100%	100%	100%	100%	100%	100%
Elmore					109%	89%	102%	100%	
Phantom				92%	117%	92%		100%	
Shield					107%	92%	100%	100%	
Impala				94%	108%	90%	105%	99%	
Chara	83%	93%	103%	99%	105%		103%	98%	100%
Sentinel	77%	80%	122%	113%			101%	98%	98%
Merlin				85%	116%		89%	97%	
Viking						88%	105%	97%	
Spitfire		76%	100%	96%	108%		93%	95%	
Yenda	90%	95%	84%				106%	94%	100%
Axe	71%	78%	123%				94%	91%	91%
Wedgetail	68%	80%	110%	77%			93%	86%	96%
Ventura	59%	90%	91%				87%	82%	91%
Derrimut t/ha	8.5	8.0	7.3	6.8	7.4	8.5	6.4	7.6	8.0



Least significant difference was 0.57 t/ha