

## Wheat Main Season Variety Trial 2015

2015 saw two wheat variety trials sown. The first sown on May 4<sup>th</sup> was the main season trial with a range of 40 early-mid to late maturity wheats. The other trial was sown on May 26<sup>th</sup> to a range of early and early-mid varieties.

### Main Season Trial

This trial was sown, following pre-irrigation, on May 4<sup>th</sup> with variable sowing rates ranging from 69 - 113 kg/ha aiming at an establishment of 175 plants/m<sup>2</sup>. Conditions at sowing were moist but drying. Establishment was below expectation at 56% instead of the normal 70%, for an average plant population of 135 pl/m<sup>2</sup>.

The trial was supplied with a total of 280 kg N/ha from all sources (soil, mineralisation and fertiliser) - enough for a 7 t/ha crop of APW quality wheat. The trial received a fungicide application as a prophylactic treatment as no stripe rust or other foliar disease was detected through the season.

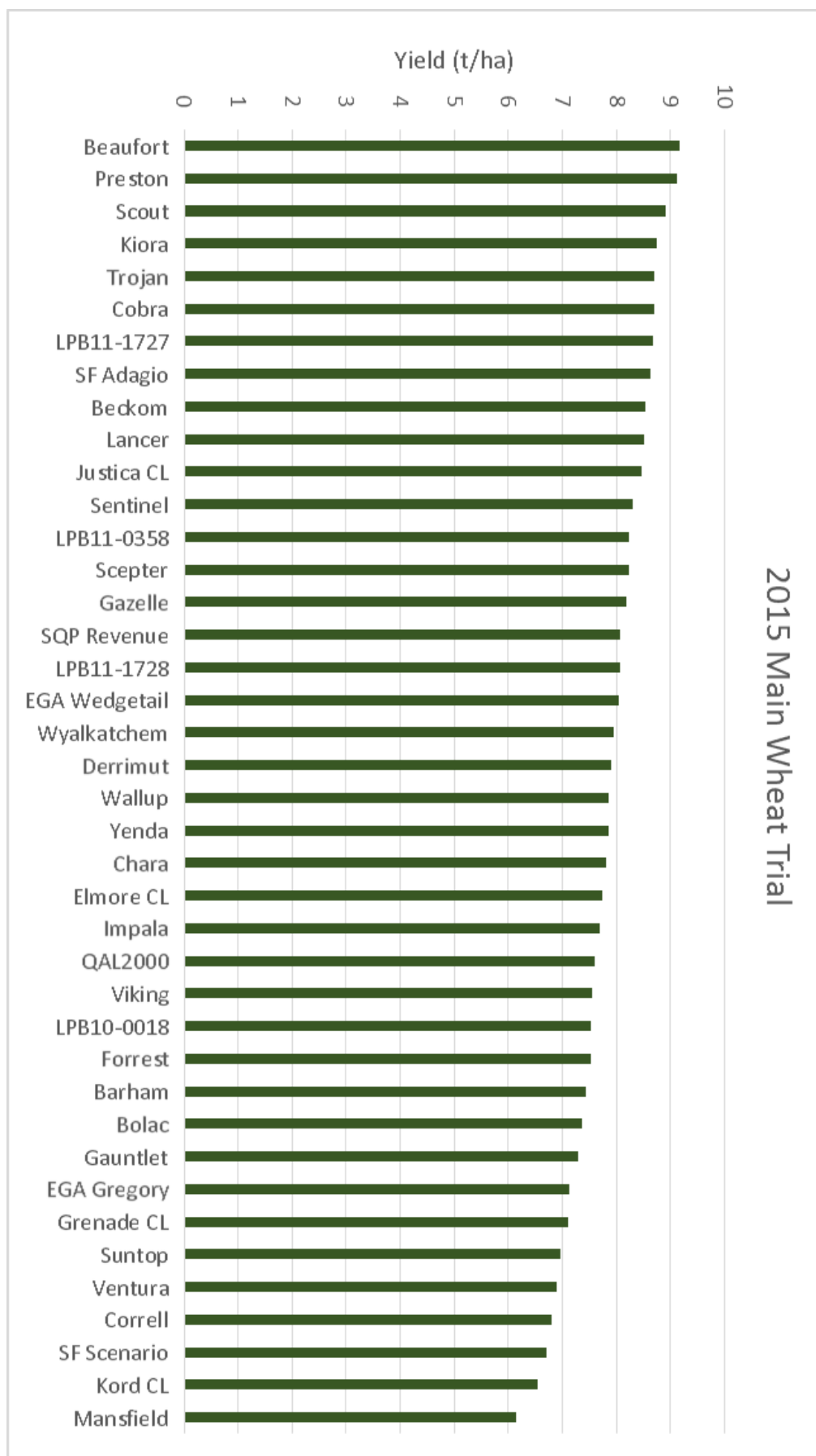
First spring irrigation was on September 7<sup>th</sup>, the second on September 18<sup>th</sup>. And the third on October 3<sup>rd</sup> and the fourth irrigation on October 16<sup>th</sup>.

Harvested on December 3<sup>rd</sup>, the trial averaged 8.3 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      | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Average | ICP  |
|------------|------|------|------|------|------|------|------|---------|------|
| Beaufort   | 104% | 106% | 94%  |      |      | 112% | 103% | 104%    | 95%  |
| Trojan     |      |      |      | 98%  | 105% | 106% | 98%  | 102%    |      |
| Cobra      |      |      |      | 99%  | 108% | 102% | 98%  | 101%    |      |
| Scout      | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100%    | 100% |
| Mace       |      |      |      |      | 95%  | 98%  |      | 97%     | 97%  |
| Sentinel   | 87%  | 108% | 107% |      |      | 87%  | 93%  | 96%     | 99%  |
| Gazelle    |      | 95%  |      | 100% | 103% | 91%  | 92%  | 96%     |      |
| Kiora      |      |      |      |      | 93%  | 96%  | 98%  | 96%     |      |
| Lancer     |      |      |      | 95%  | 97%  | 94%  | 95%  | 95%     |      |
| Chara      | 100% | 97%  | 94%  | 88%  |      | 89%  | 88%  | 93%     | 100% |
| Derrimut   | 108% | 88%  | 94%  | 83%  | 95%  | 84%  | 89%  | 92%     | 99%  |
| Phantom    |      |      | 87%  | 97%  | 87%  |      |      | 91%     |      |
| Axe        | 84%  | 109% |      |      |      | 78%  |      | 90%     | 91%  |
| Yenda      | 103% | 80%  |      |      |      | 87%  | 88%  | 89%     | 100% |
| Suntop     |      |      |      | 92%  | 92%  | 95%  | 78%  | 89%     | 99%  |
| DS Darwin  |      |      |      |      | 92%  | 86%  |      | 89%     |      |
| Merlin     |      |      | 80%  | 97%  |      | 87%  |      | 88%     |      |
| Wallup     |      |      |      | 90%  |      | 84%  | 88%  | 87%     |      |
| Impala     |      |      | 89%  | 90%  | 85%  | 85%  | 86%  | 87%     |      |
| Spitfire   | 82%  | 95%  | 90%  | 90%  |      | 77%  |      | 87%     |      |
| Shield     |      |      |      | 89%  | 87%  | 84%  |      | 87%     |      |
| Elmore     |      |      |      | 91%  | 85%  | 84%  | 87%  | 87%     |      |
| SF Adagio  |      |      |      |      |      | 74%  | 97%  | 85%     |      |
| Mitch      |      |      |      |      | 90%  | 81%  |      | 85%     |      |
| Wedgetail  | 87%  | 97%  | 73%  |      |      | 76%  | 90%  | 85%     | 96%  |
| Ventura    | 97%  | 86%  |      |      |      | 73%  | 79%  | 84%     | 91%  |
| Viking     |      |      |      |      | 83%  | 88%  | 78%  | 83%     |      |
| Scout t/ha | 7.4  | 7.7  | 7.21 | 8.9  | 9.0  | 7.6  | 8.7  | 8.1     | 8.0  |





Least significant difference was 0.84 t/ha