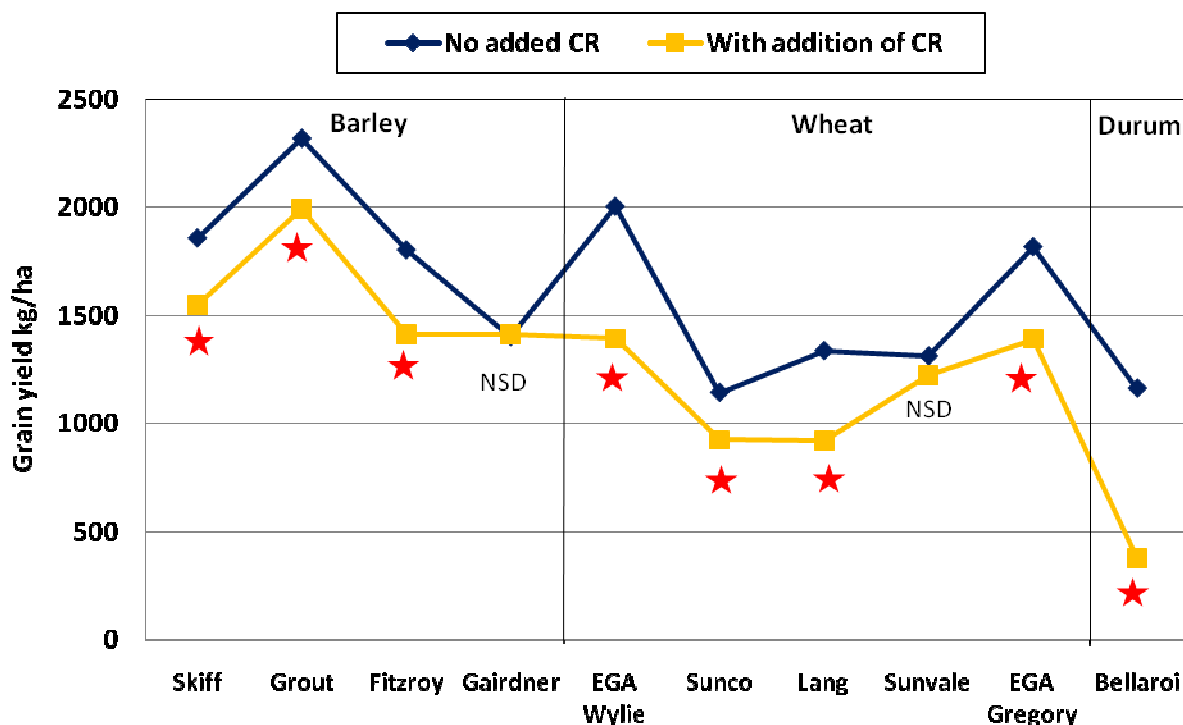


Individual trial results 2007

Trial number: NGA0701
Site: 'Myall Downs' North Star
Co-operator: Malcolm Doolin

Planting date: 12/06/2007
Harvest date: 15/11/2007
PreDicta B crown rot result: 4 pg DNA/ g soil (Low level)
In-crop rainfall: 176 mm

Impact on yield from addition of crown rot (CR)

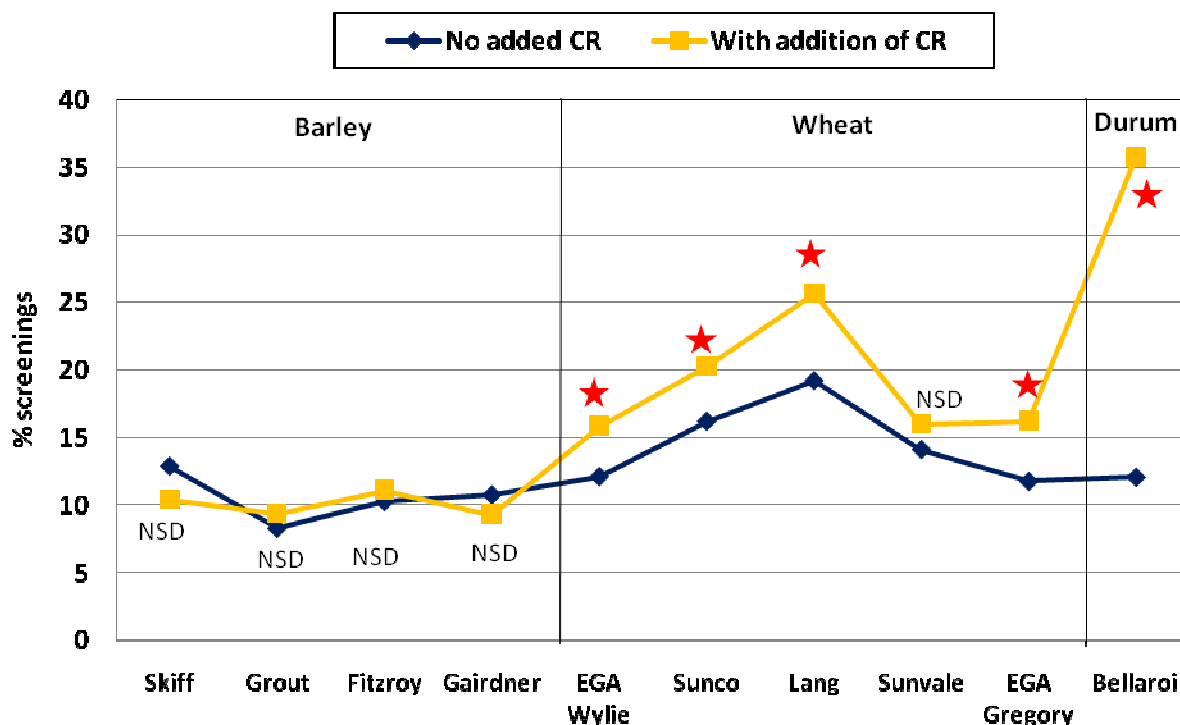


★ = significant **reduction** in variety yield with addition of crown rot
 NSD = no significant difference in variety yield with addition of crown rot
 CV=10%, LSD (5%) = 206 kg/ha

With the addition of crown rot:

- Barley recorded an average 14% yield reduction (~250 kg/ha)
- Bread wheat recorded an average 23% yield reduction (~350 kg/ha)
- Bellaroi recorded a 68% yield reduction (~780 kg/ha)

Impact on screenings from addition of crown rot (CR)



★ = significant **increase** in variety screenings with addition of crown rot
 NSD = no significant difference in variety screenings with addition of crown rot

With the addition of crown rot:

- Barley recorded an average 1% **reduction** in screenings
- Bread wheat recorded an average 4% increase in screenings
- Bellaroi recorded a 24% increase in screenings

Key messages

Trial planted on marginal soil moisture with a low natural level of crown rot. Below average rainfall from June to September.

- Low to moderate crown rot yield loss situation
- Barley average yield ~1800 kg/ha with average bread wheat yield ~1500 kg/ha
- Barley absolute yield loss similar or slightly lower than bread wheat
- Sunvale recorded lowest crown rot impact but was still only the 3rd highest yielding wheat variety when crown rot added
- No impact from crown rot on barley quality