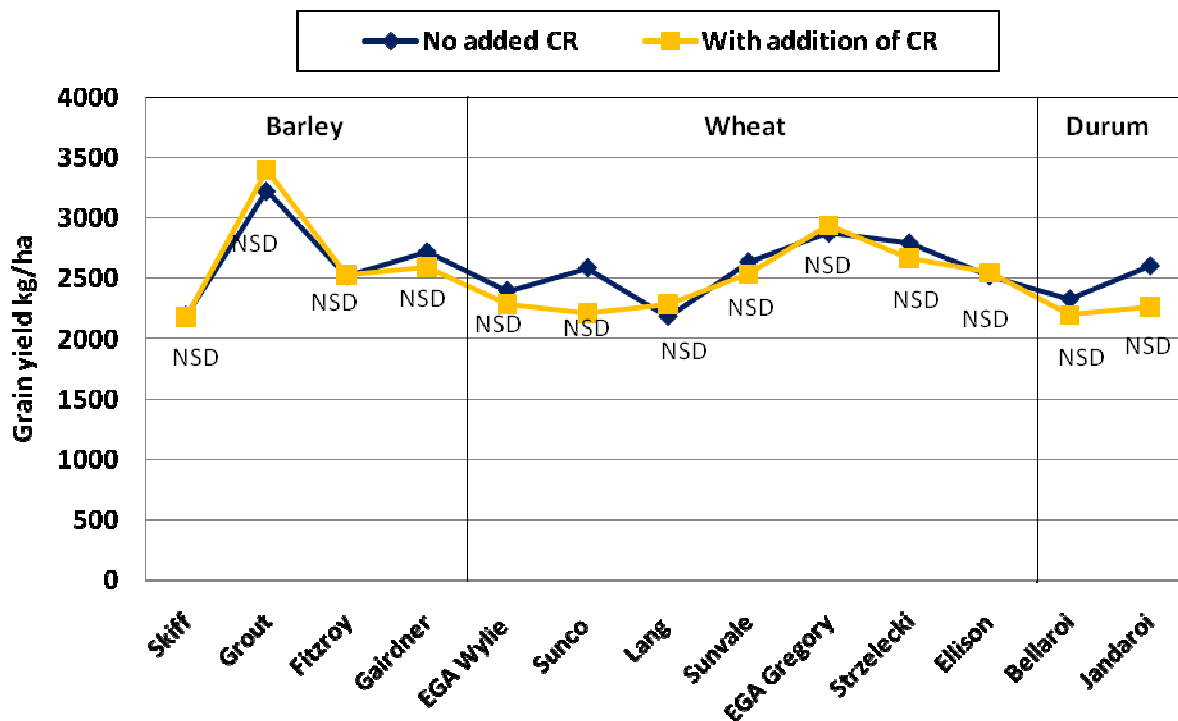


**Trial number:** NGA0802  
**Site:** 'Minilya' North Star  
**Co-operator:** Malcolm Doolin

Planting date: 6/06/2008  
 Harvest date: 11/11/2008  
 PreDicta B crown rot result: 0 pg DNA/ g soil (Below detection limit)  
 In-crop rainfall: 141 mm

## Impact on yield from addition of crown rot (CR)

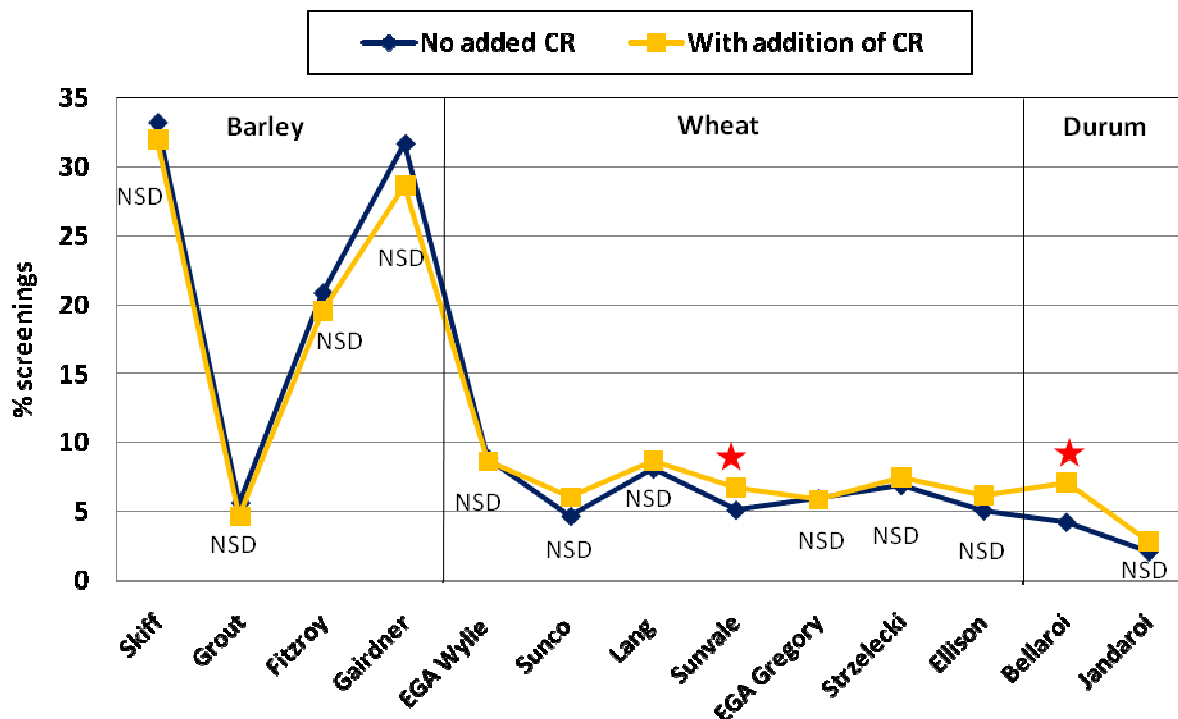


★ = significant **reduction** in variety yield with addition of crown rot  
 NSD = no significant difference in variety yield with addition of crown rot  
 CV=11%, LSD (5%) = 396

With the addition of crown rot:

- Barley recorded no average yield reduction
- Wheat recorded an average 3% yield reduction (~70 kg/ha)
- Durum recorded an average 9% yield reduction (~230 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 2% **decrease** in screenings
- Bread wheat recorded an average 1% increase in screenings
- Durum wheat recorded an average 2% increase in screenings

### Key messages

Trial planted into reasonable moisture but experienced significant moisture stress during August. Stripe rust was an issue at this site and may have reduced the yields of EGA Wylie, Lang and Sunco by up to 20%.

- Very low crown rot yield loss situation
- Average barley yields ~2700 kg/ha with bread wheat yield ~2600 kg/ha
- No significant crown rot yield loss in either barley or bread wheat
- Huge variability in screening levels in barley **due to variety, not crown rot**
- Only Sunvale and Bellaroi recorded higher screenings when crown rot was added