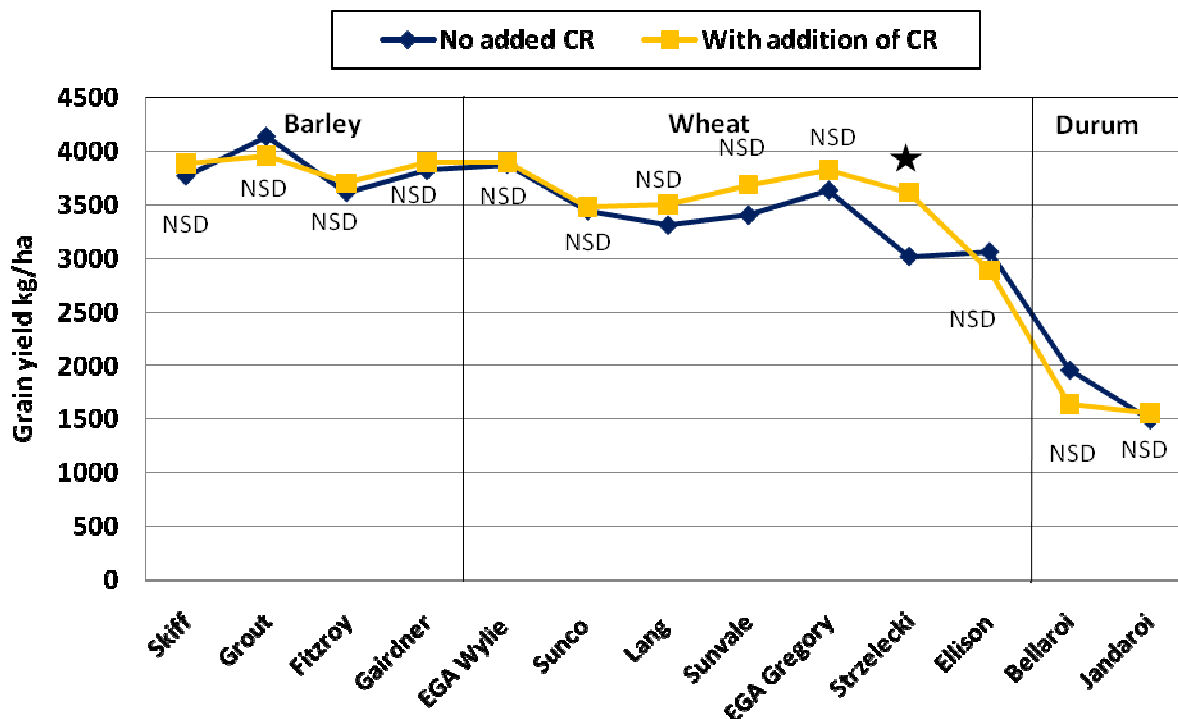


Trial number: NGA0804
Site: 'Denham' Cryon
Co-operator: Dave Denyer

Planting date: 14/05/2008
 Harvest date: 6/11/2008
 PreDicta B crown rot result: 43 pg DNA/ g soil (Low level)
 In-crop rainfall: 223 mm

Impact on yield from addition of crown rot (CR)

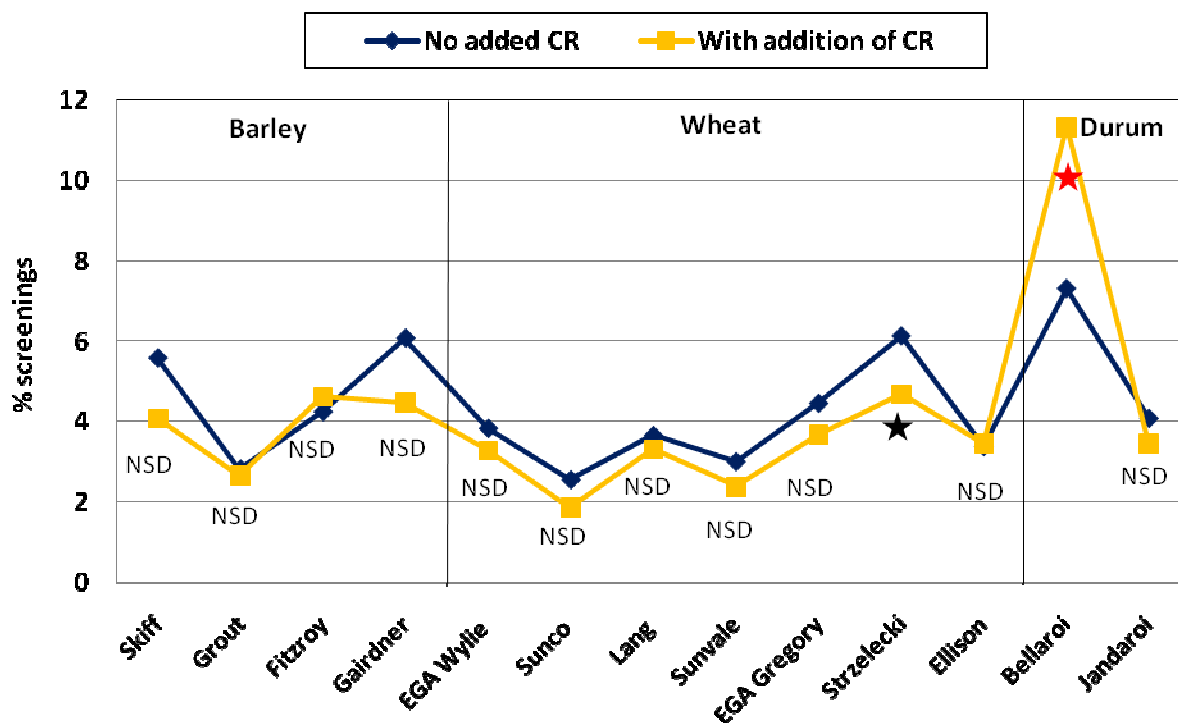


★ = significant **increase** in variety yield with addition of crown rot
 NSD = no significant difference in variety yield with addition of crown rot
 CV=7%, LSD (5%) = 342-395

With the addition of crown rot:

- Barley recorded no average yield reduction
- Wheat recorded an average 5% yield **increase** (~170 kg/ha)
- Durum recorded an average 6% yield reduction (~130 kg/ha)

Impact on screenings from addition of crown rot (CR)



★ = significant **increase** in variety screenings with addition of crown rot
 ★ = significant **decrease** 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% **decrease** in screenings
- Bread wheat recorded an average 1% **decrease** in screenings
- Durum wheat recorded an average 2% increase in screenings

Key messages

Trial planted early into good moisture but with higher natural crown rot levels than expected.

- Very low crown rot yield loss situation
- Average barley yields ~3800 kg/ha with bread wheat yield ~3400 kg/ha
- No consistent crown rot yield loss in any variety although pre-existing disease level may have masked durum yield loss
- Very low impact from addition of crown rot on grain quality except in Bellaroi