

Blackleg in dual-purpose canola

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Dual-purpose crops

Grain-only crop

Sow

Grain

Jan F M A M J J A S O N Dec





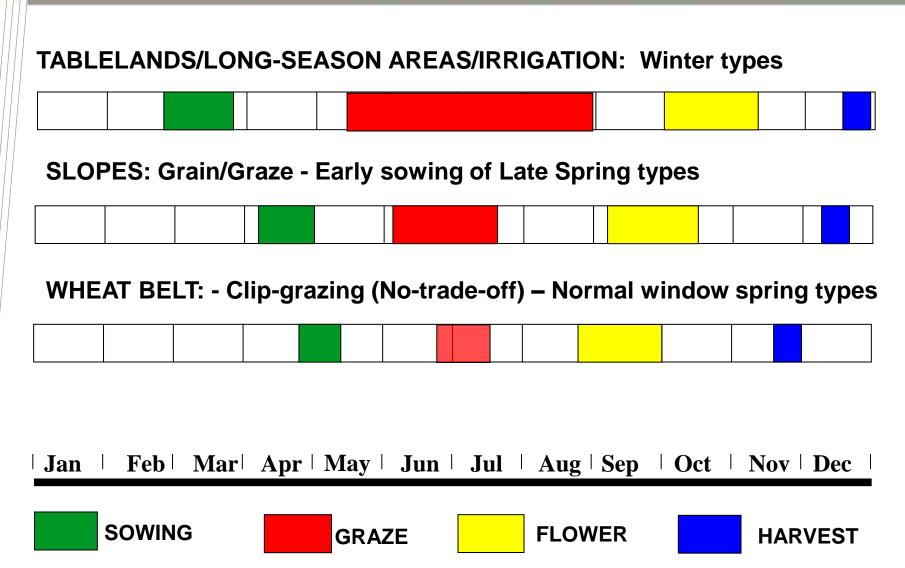
Dual-purpose crop

 Sow
 Graze
 Grain

 Jan
 F
 M
 A
 M
 J
 J
 A
 S
 O
 N
 Dec



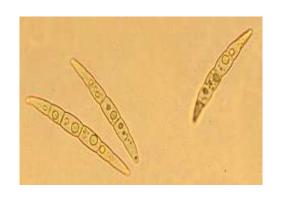
Dual-purpose canola



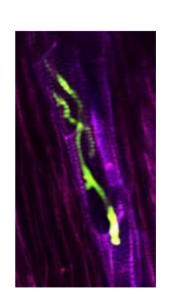


Leptosphaeria maculans (blackleg)





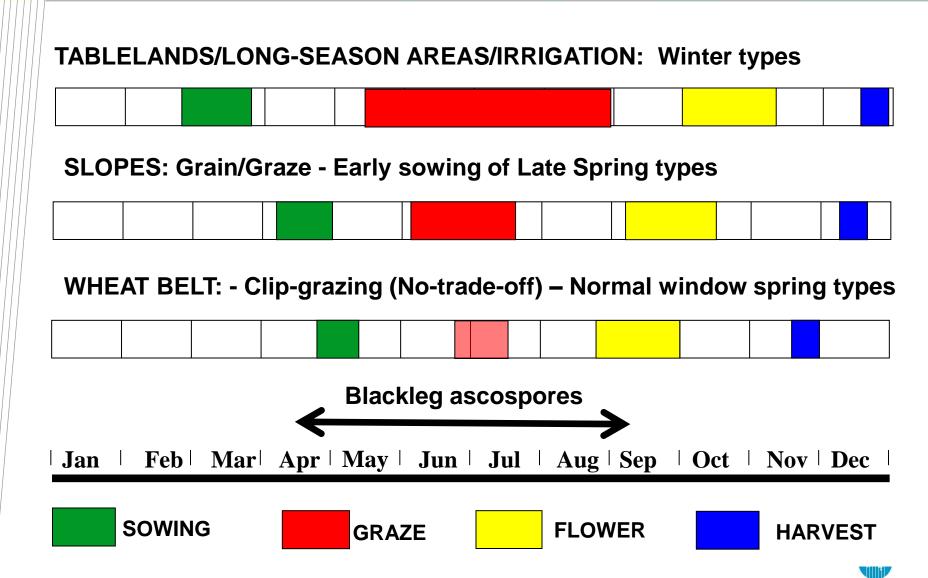








Dual-purpose crops



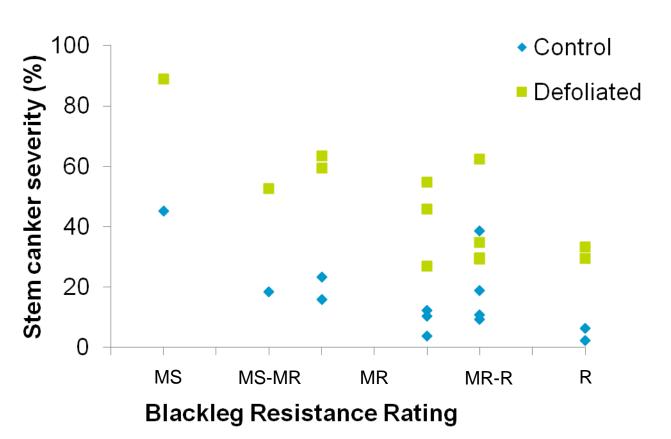
Experiments defoliated or grazed with sheep





Blackleg Resistance Rating

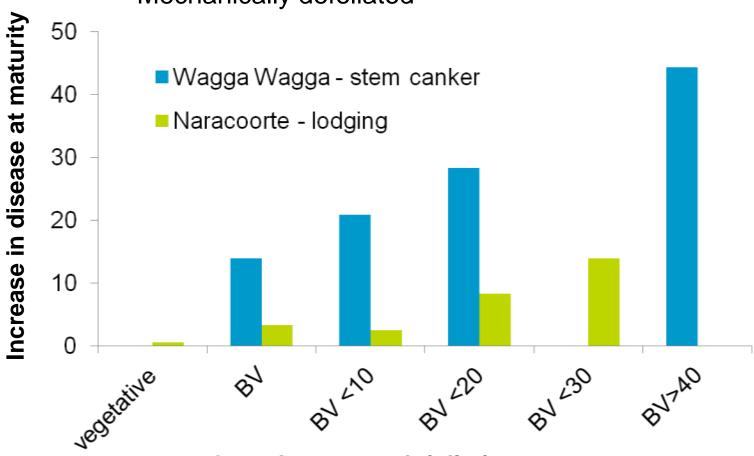
- 13 cultivars -Blackleg Rating MS to R
- Mechanically defoliated





Growth stage at defoliation

36 cultivars – range of maturity
Mechanically defoliated

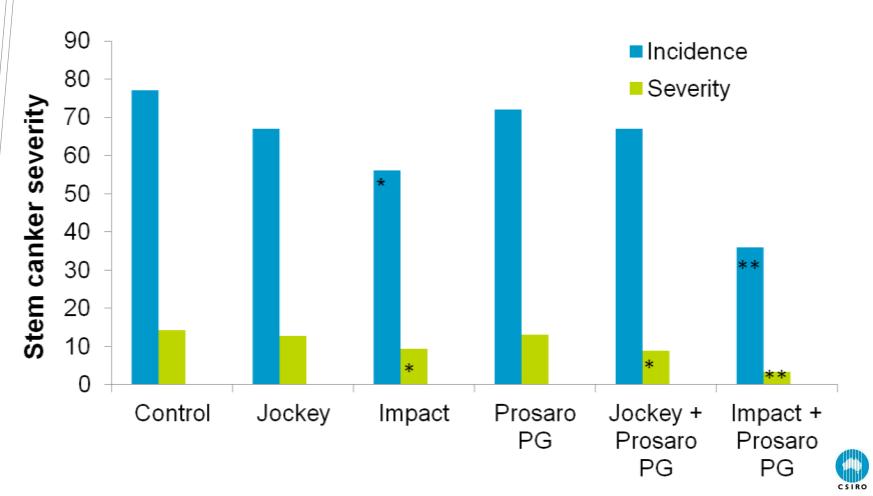






Fungicides

- Hyola971CL (winter) sown March
- Grazed by sheep



Blackleg pod infection

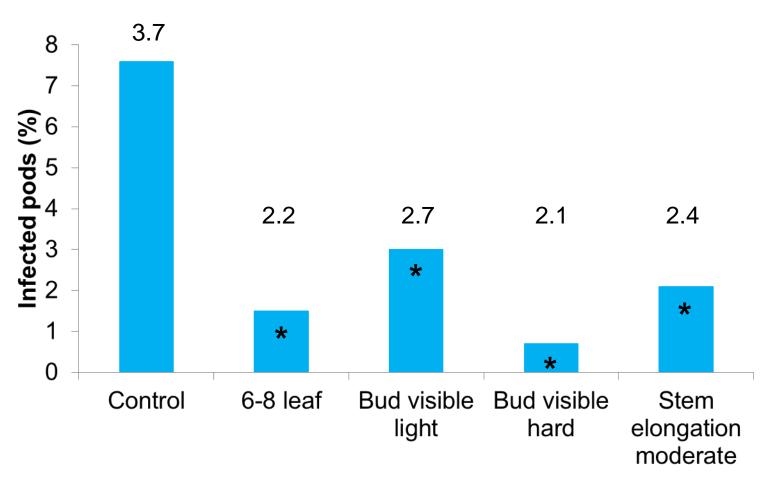






Blackleg pod infection

- Hyola575CL sown late April
- Defoliated mechanically





Conclusions

- Grazing/defoliation increases blackleg severity
 - Use cultivars with high blackleg resistance
- Late or heavy grazing increases blackleg severity
- Fungicides may be effective for blackleg in grazed crops
 - Impact and Prosaro (pre or post?)
- Removal of diseased leaf tissue
 - Reduce spread of blackleg in the crop canopy
 - Other diseases sclerotinia?

