



PROSARO®

Getting the best possible **blackleg control** from **Prosaro® 420 SC** in canola

Prosaro is the first foliar fungicide registered in Australia for the management of blackleg (*Leptosphaeria maculans*) in canola.

Blackleg epidemics are primarily initiated by airborne ascospores originating from matured pseudothecia (fruiting bodies) of the fungus on the previous year's infected stubble/crop residues. Higher temperatures and lower moisture conditions during summer and autumn favour the maturity of pseudothecia. Once matured, pseudothecia are triggered to release ascospores by rainfall or even heavy dews and high humidity.

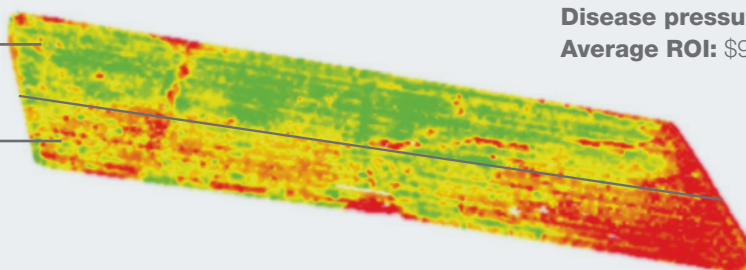
Blackleg management checklist

- ✓ Use a wide range of tools both cultural and chemical some of which are listed below.
- ✓ Select a variety with suitable blackleg resistance for your situation.
- ✓ Apply a fungicide seed treatment such as Jockey® Stayer® and/or an 'in-furrow' fungicide registered for blackleg control.
- ✓ The use of Prosaro does not replace the need for additional management options. Refer to: www.grdc.com.au/GRDC-FS-BlacklegManagementGuide
- ✓ Prosaro applied at 4 to 6 leaf crop growth stage has shown to deliver more consistent results than later timings.
- ✓ The higher Prosaro label rate of 450 mL/ha has generally proven more effective than the lower label rate of 375 mL/ha particularly in high rainfall and high pressure situations.
- ✓ Two sprays will be more effective under high blackleg disease pressure than one spray.
- ✓ Rotate your varieties regularly. Reliance on one particular variety over many years can lead to breakdown of genetic resistance.
- ✓ Avoid sowing canola in close proximity to previous canola stubbles to reduce transfer of disease.
- ✓ Prosaro is compatible with a range of insecticides and herbicides. To find out more, contact your local reseller agronomist or Bayer representative.
- ✓ Ensure thorough spray coverage (medium spray quality and 60-100 L/ha water) for maximum protection.

Prosaro: 2012 large scale evaluation/ mapping for blackleg control

Prosaro 450 mL/ha
at 6 leaf = 1.85 t/ha

Untreated
= 1.60 t/ha

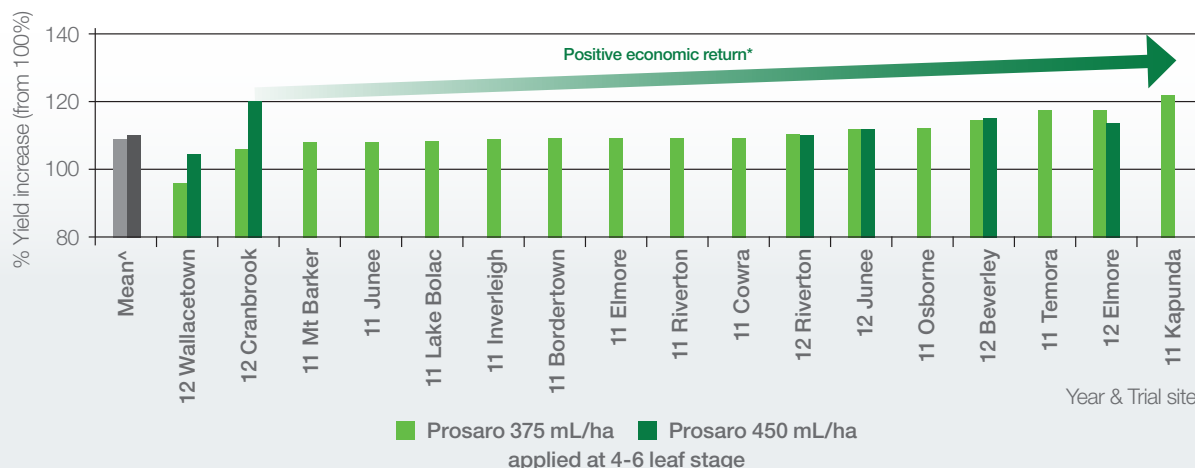


Location: Downside, NSW
Variety: Jackpot (MR)
Treatment: Jockey/Cosmos® + Impact®
Disease pressure: Blackleg/Moderate
Average ROI: \$95/ha (15.6% yield increase)

See the results for yourself.

Trial work over the last two seasons has shown the benefits of the combination of Jockey Stayer seed treatment or in-furrow fungicides registered for blackleg control along with a foliar application of Prosaro, for blackleg management.

Prosaro control of blackleg in canola – MS varieties 2011-2012 yield data



*Economic return from an average of 2.0 t/ha yield based on canola at \$500/tonne and an average application cost of \$6/ha.

Jockey Stayer or Intake® yield average (applied alone): 2.0 t/ha

^Mean yield increase from Prosaro 375 mL/ha over seed treatment or in-furrow treatment alone: 10% (17 trials)

Mean yield increase from Prosaro 450 mL/ha over seed treatment or in-furrow treatment alone: 13% (6 trials)

Trial ID: 2011: NA20, NA21, NW03, SA03, SB12, VA01, VA02, VA21, VD10, WA02

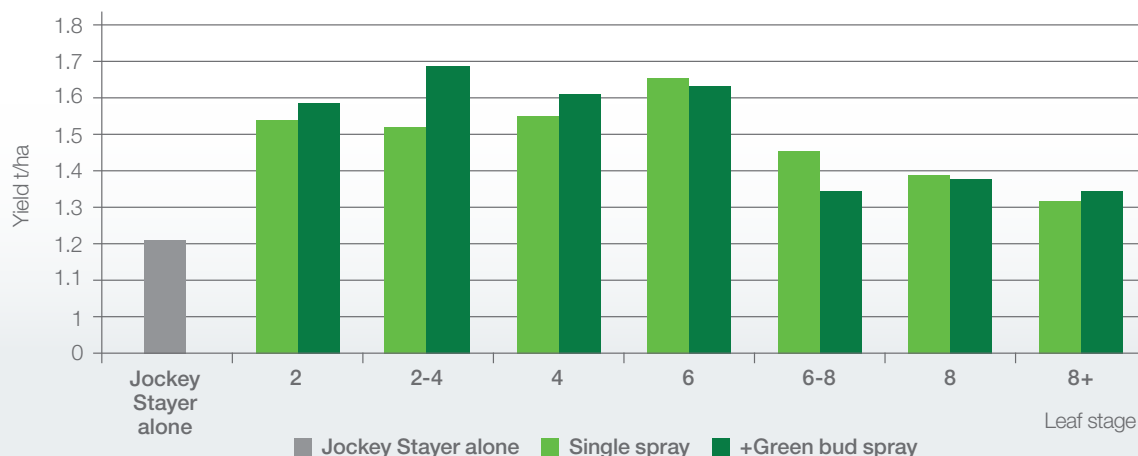
2012: NW03, NW04, NW22, SA02a, SA04b, VB04, WA03, WA04, WA31, WA32

Varieties: Cobbler (MS-S), Crusher (MS), Tawriffic (MS)

Prosaro 2-spray strategy - yield comparison per leaf stage

Variety: Henty HT **BL rating:** MS-MR **Seed treatment:** Jockey Stayer **Trial site:** Gibson (WA) **Sowing date:** 10/05/2013

The aim of the trial was to investigate which sequence of Prosaro application provides the highest increase in yield in a high risk blackleg rotation situation.



Key observations from the 2013 Gibson trial:

- Prosaro provides the best performance on blackleg control until the 6 leaf stage is passed.
- An early Prosaro application combined with a spray at green bud timing showed the most consistent yield results.
- All applications visually reduced blackleg and increased green leaf.
- The best single spray yield response over Jockey Stayer alone was achieved by applying Prosaro at leaf stage 6 (+35% yield increase), whereas the best 2 spray yield response over Jockey Stayer alone was achieved by applying the first spray between leaf stage 2-4, followed by a spray at the green bud timing (+38% yield increase).

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