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## PROSARO®

# Canola blackleg and sclerotinia\*

\* Always use Prosaro according to the most recent registered label

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# Update – Feb 2012

## Blackleg

- Prosaro continued to show a high level of efficacy on blackleg.
- Application for registration was submitted in April 2011.
- Efficacy has been reviewed and accepted.

## Sclerotinia

- Application for registration to occur in 2012.
- Excellent control from Prosaro at 375 to 450 mL/ha
-

# 2011 Blackleg Trials

## Aim:

- To determine the yield response to Prosaro across a range of canola cultivars grown in high blackleg risk situations
- Clarify the optimum timing of application
  - E = (2 leaf)
  - M = (4 to 6 leaf)
  - M, L = (4 to 6 leaf) + (green bud)
- Clarify the use of Jockey Stayer seed treatment for blackleg control

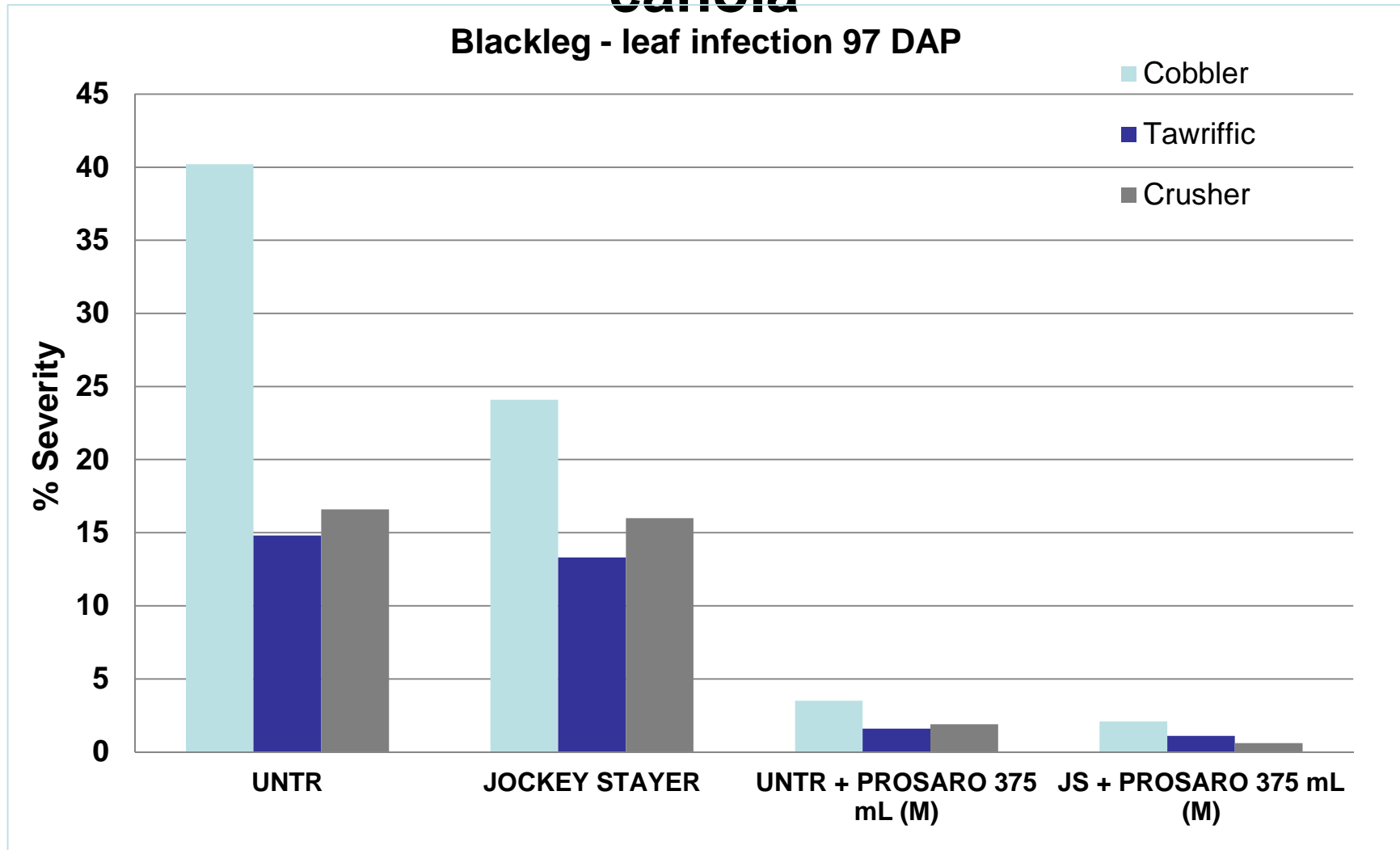
# Varieties – Blackleg resistance rating

|                         | ATR-COBLER | TAWRIFFIC TT | CRUSHER TT | HYOLA 555 TT |
|-------------------------|------------|--------------|------------|--------------|
| SA03<br>Riverton, SA    | ✓          |              | ✓          | ✓            |
| WA02<br>Mt Barker, WA   | ✓          | ✓            | ✓          |              |
| NW03<br>Junee, NSW      | ✓          | ✓            | ✓          |              |
| VA02<br>Bordertown, SA  | ✓          |              | ✓          | ✓            |
| VA21<br>Inverleigh, Vic | ✓          |              | ✓          | ✓            |
| SFS<br>Lake Bolac, Vic  | ✓          | ✓            |            |              |

# **Disease & Yield Summary across trials x variety**

- **Response to Jockey Stayer**

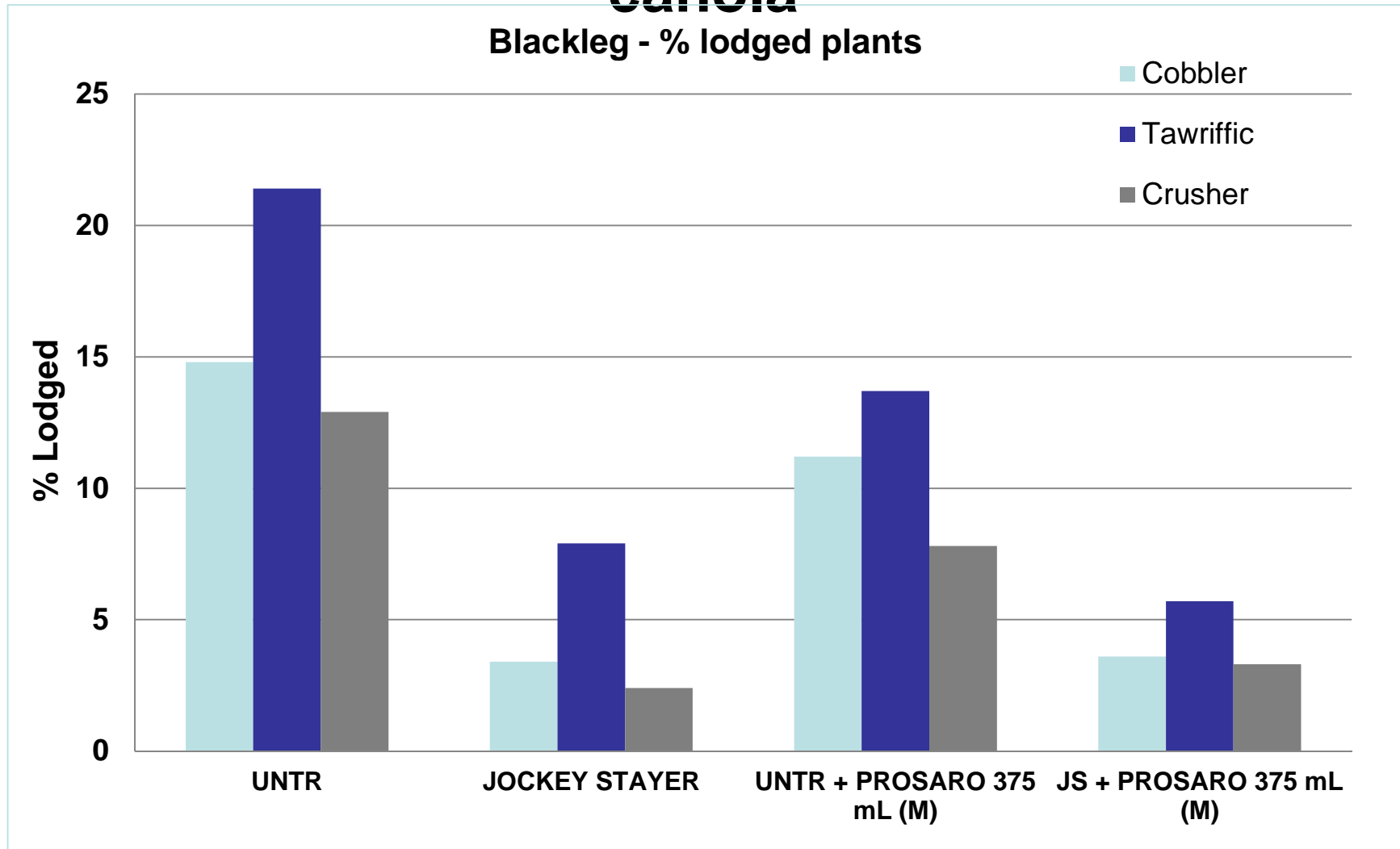
# NW03 – Prosaro for control of blackleg in canola



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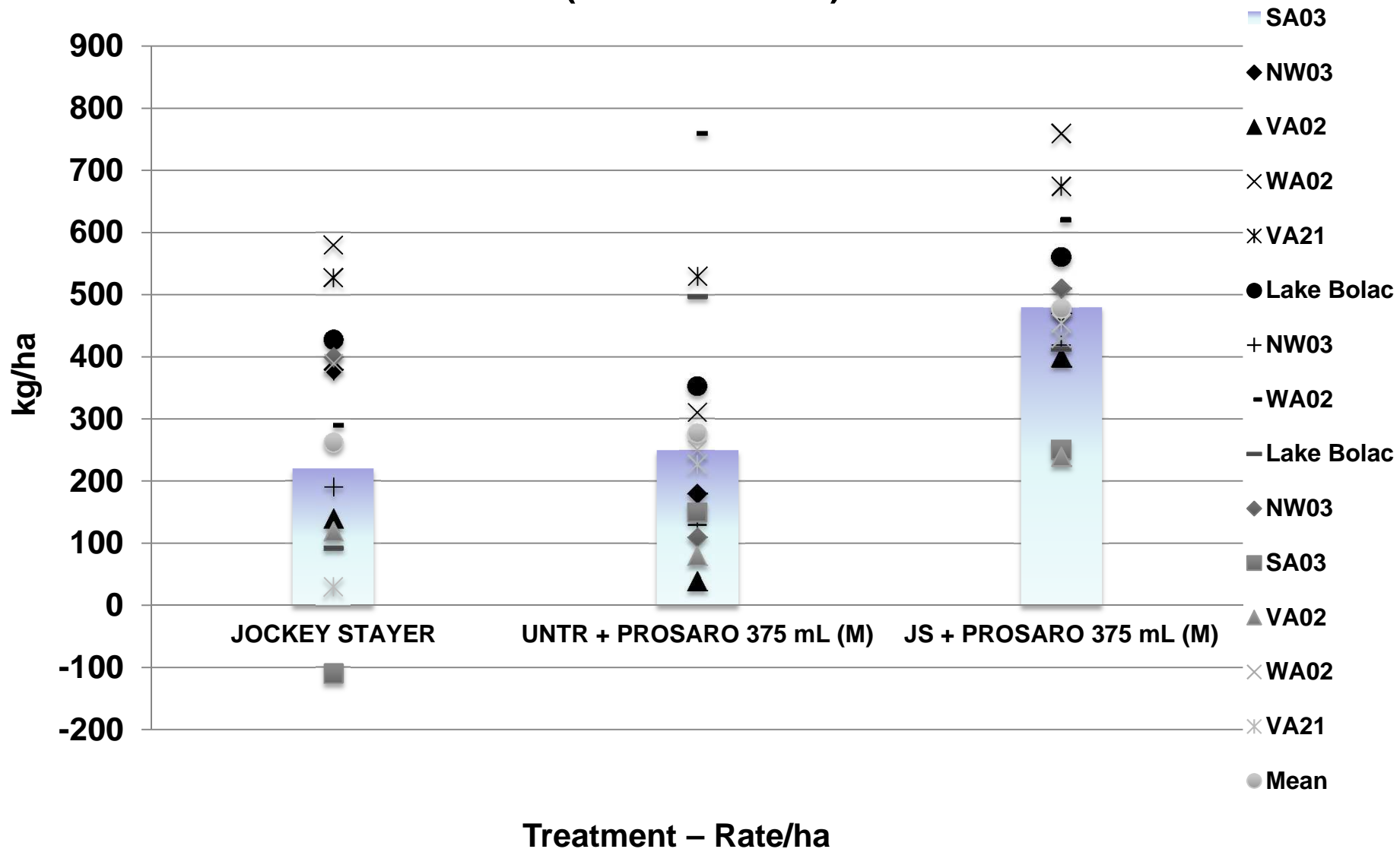
# NW03 – Prosaro for control of blackleg in canola



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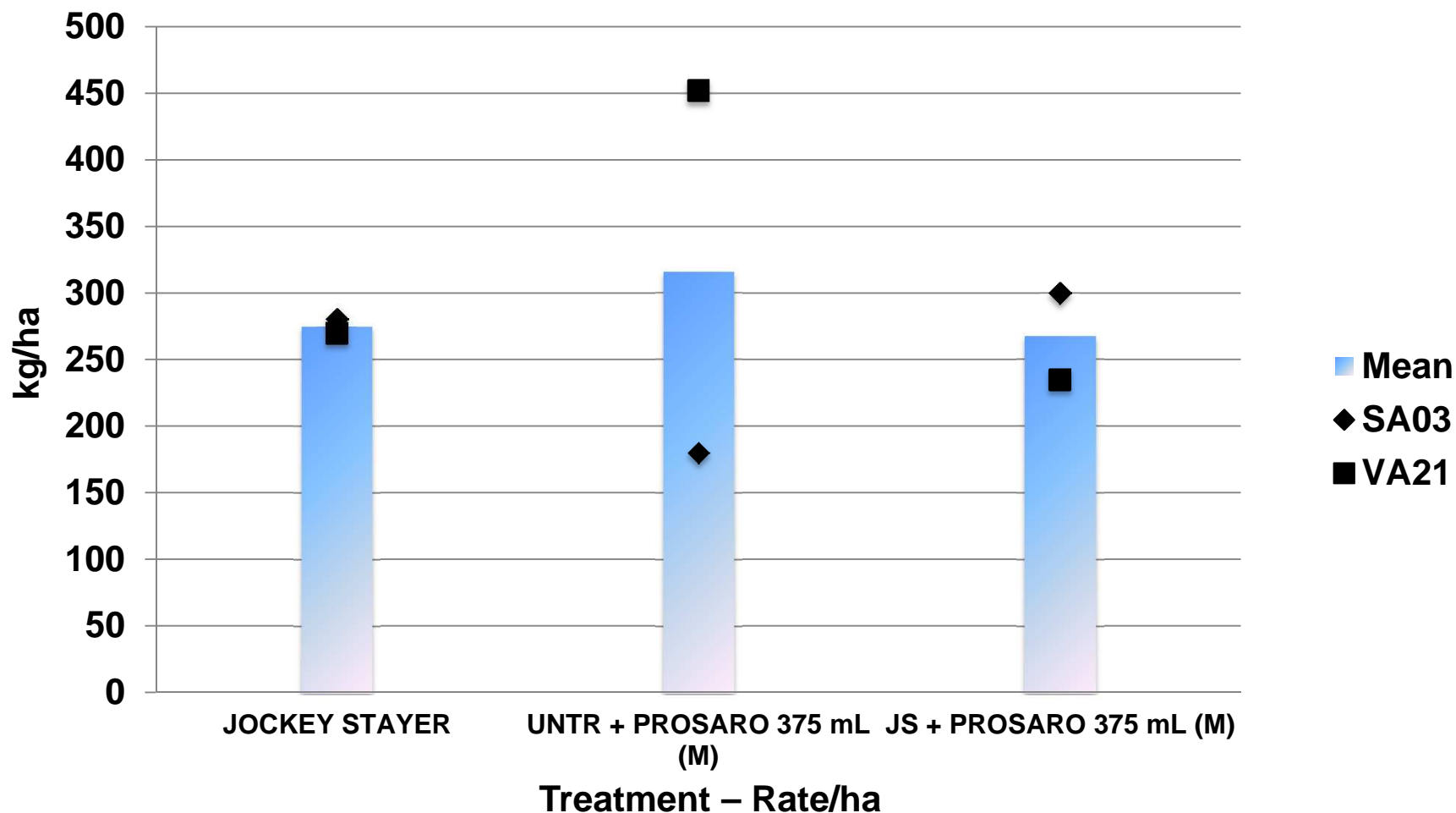
## Yield response - compared to Untreated (MS varieties) (FD11AUSBA1)





# HYOLA 555 TT – Yield response to Jockey Stayer and Prosaro

## Yield Response - compared to Untreated (FD11AUSBA1)



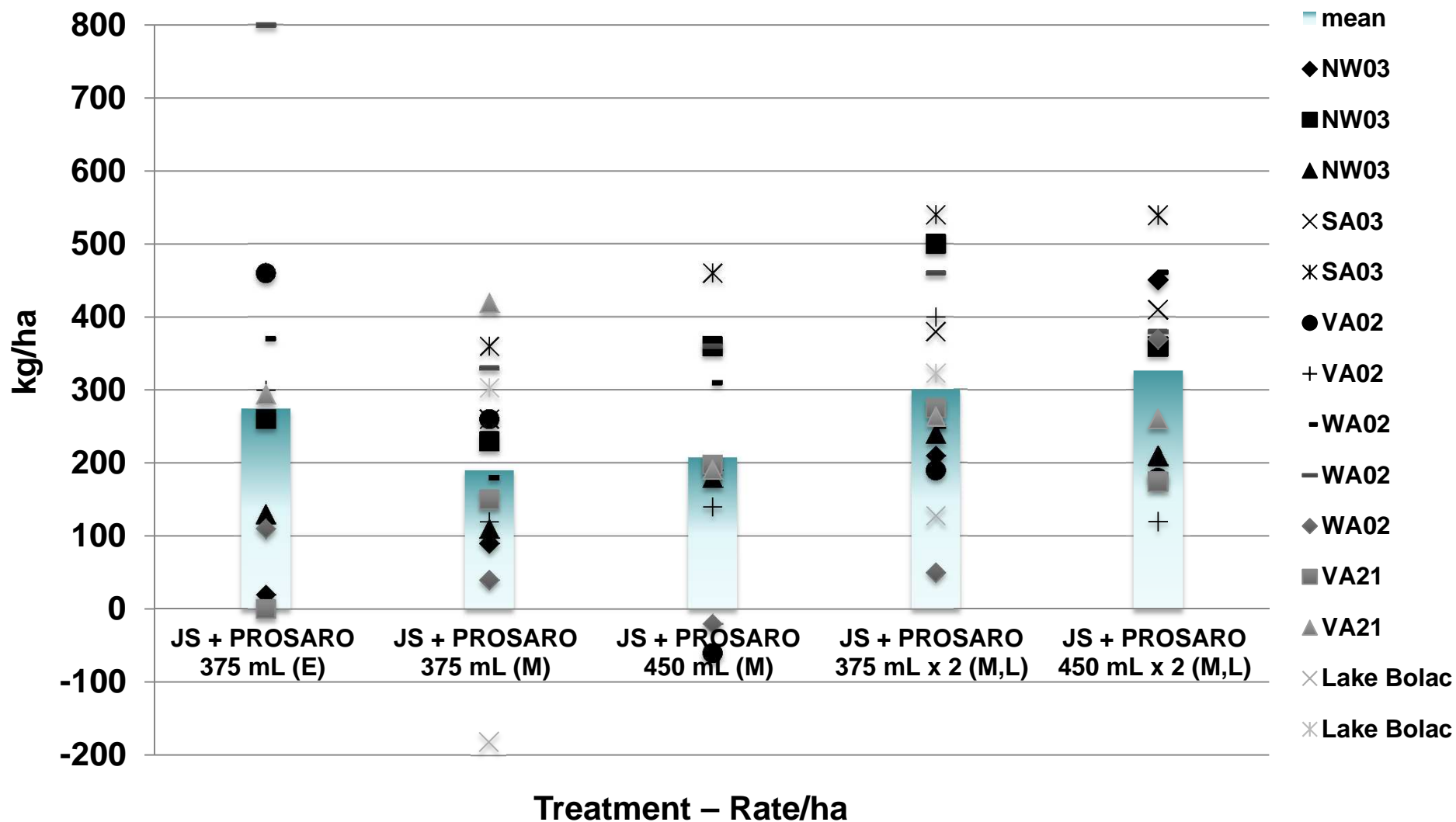
# Conclusion

- **Prosaro will not substitute for a seed/sowing treatment (Jockey Stayer)**
- **Largest and most consistent yield responses are obtained when an effective seed/sowing treatment (Jockey Stayer) is applied as well as a foliar application of Prosaro (MS varieties).**

# **Yield Summary across trials x variety**

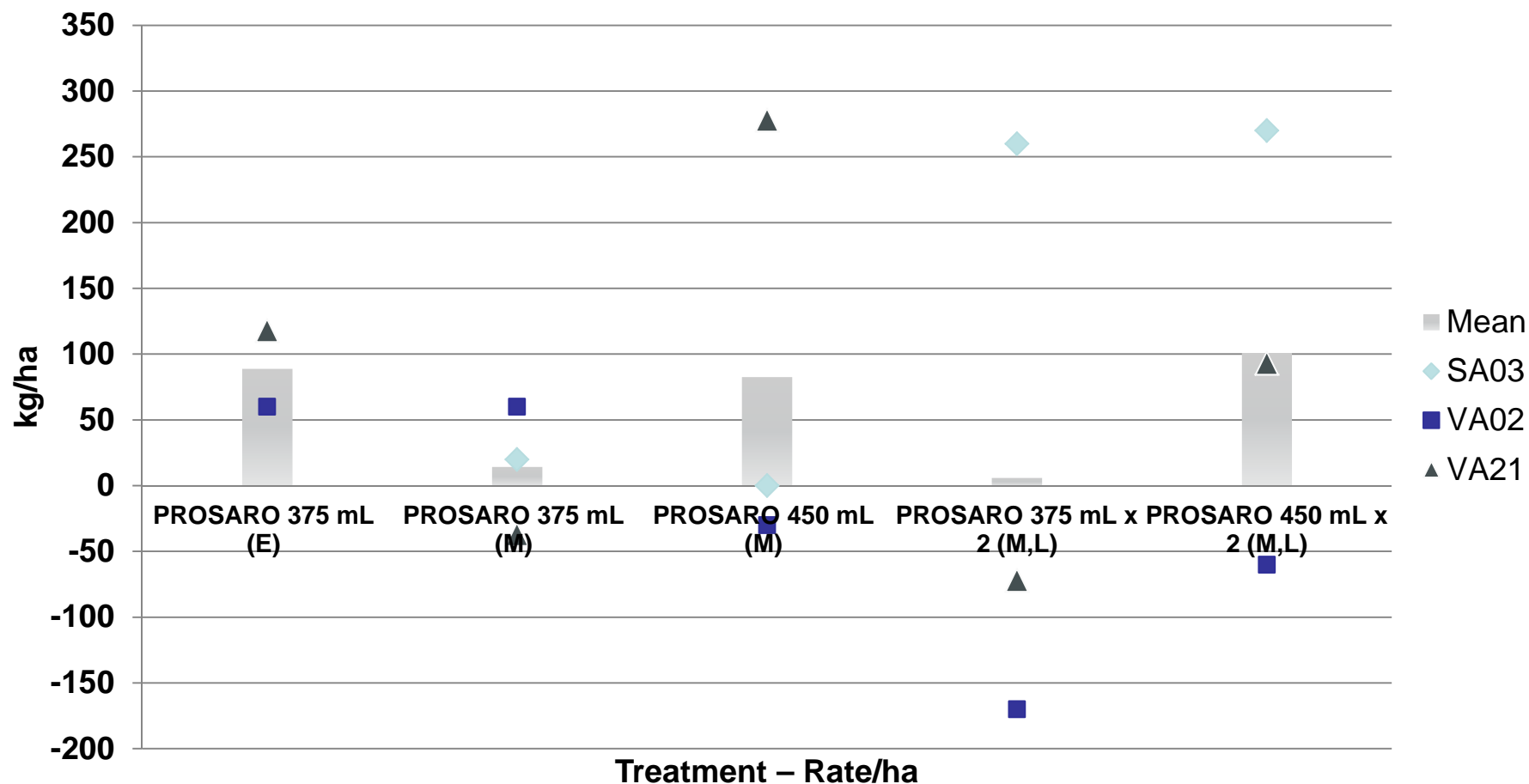
- **Response to Prosaro (following Jockey Stayer)**

## Yield response - compared to Prosaro only (all MS varieties) FD11AUSBA



# HYOLA 555 TT – Yield response to Jockey Stayer and Prosaro

Yield response - (compared to yield from Jockey Stayer only)



# BAYER RESEARCH TRIAL: FD11AUSBA1NW03

LEAF 1-4

DATE: 26/8/11

LOCATION: JUNEE REEFS

COBBLER (SOLKEY 2L/100kg 9850)

TREATMENT: NO FOLIAR SPRAY . PLOT 107



TREATMENT: PROSARO 375ml/ha (2 LEAF) PLOT 102



TREATMENT: PROSARO 375ml/ha (4-6 LEAF) PLOT 104



TREATMENT: PROSARO 450ml/ha (4-6 LEAF) PLOT 101



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Prosaro 420 SC – blackleg control in canola  
(FD10AUSBB1SA06, ATR-Cobbler, Kapunda SA, 2010)



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Prosaro 420 SC – blackleg control in canola  
(FD10AUSBB1SA06, ATR-Cobbler, Kapunda SA, 2010)



Jockey  
Stayer &  
Prosaro  
450 mL  
early



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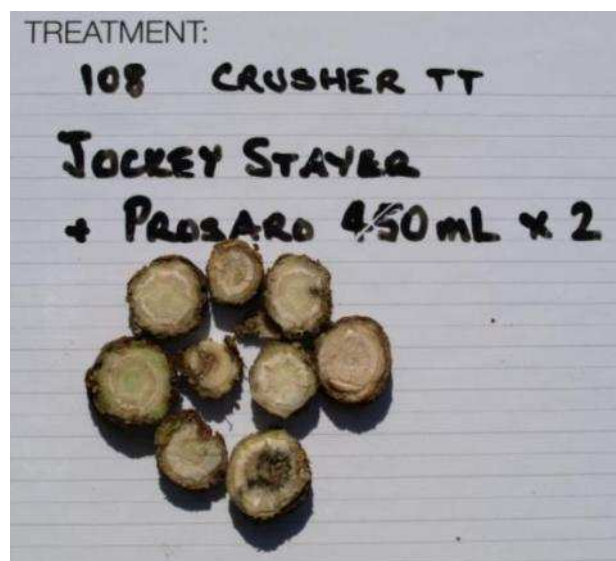
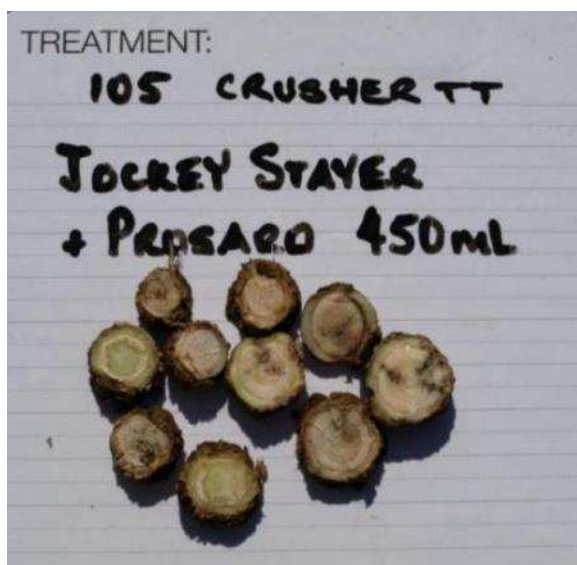
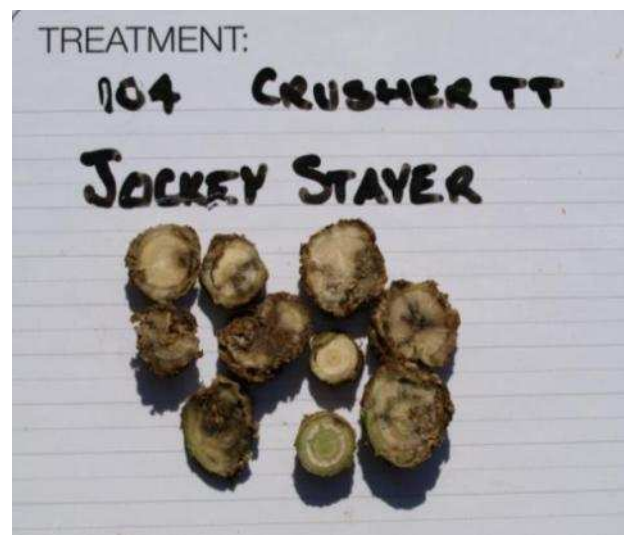
# FD11AUSBA1SA03



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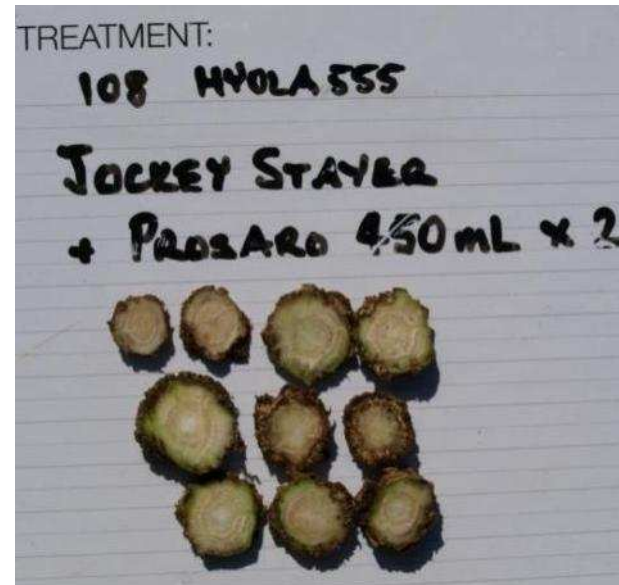
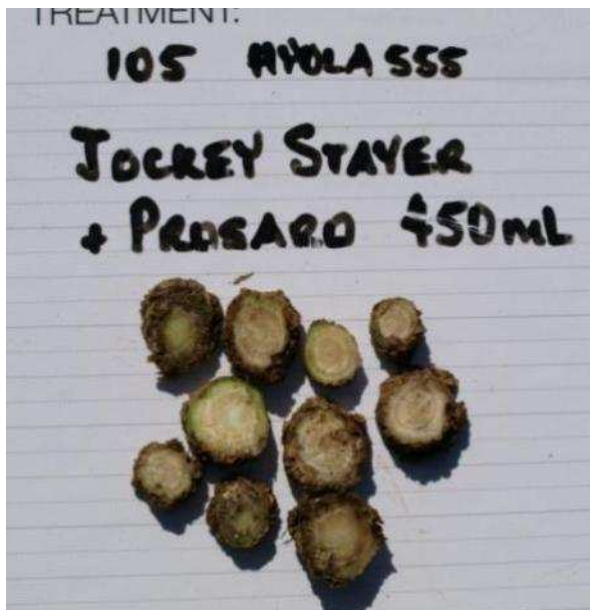
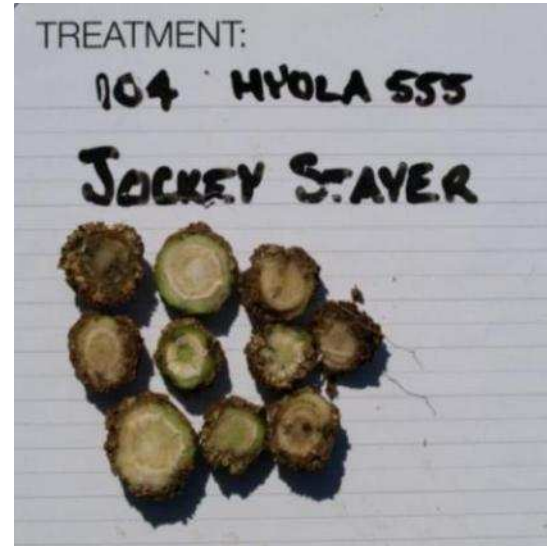
# FD11AUSBA1SA03



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# Prosaro - 2012 proposed Label

| Crop   | Disease/<br>Use                         | Rate                | Critical Comments  |
|--------|---|---------------------|--|
| Canola | Blackleg<br>(Leptosphaeria<br>maculans) | 375 to 450<br>mL/ha | <p>Apply at the 4 to 6 leaf crop stage of blackleg susceptible varieties (blackleg ratings of MR-MS or lower) or in situations of high blackleg risk (refer to General Instructions - Disease control in Canola).</p> <p>Will reduce lodging and stem canker from blackleg.</p> <p>A follow up application may be required at the green bud stage in high disease risk situations or where an effective blackleg seed treatment has not been used.</p> |

# Prosaro - 2012 proposed Label

## **General Instructions:**

### **Disease control in canola**

Higher blackleg risk can be expected in higher rainfall districts (above 500 mm annual rainfall), where crops are grown within 500 m of a previous years stubble and in later sown crops (May to August). Other factors will also increase the risk of blackleg infection, including the intensity of canola cropping in a district, rainfall before sowing and the frequency of growing the same canola cultivar. Consult industry guidelines for more detailed assessment of blackleg risk in specific situations.

# Summary Bayer work

- For effective blackleg control a seed treatment of Jockey Stayer gives early protection of seedlings.
- A foliar spray of Prosaro then controls later infection and reduces the internal infection (canker).
- A foliar application of Prosaro will not make up for the lack of an effective seed/sowing treatment for blackleg.

# Blackleg control in canola

## Potential use situations:

- Varieties with low blackleg resistance ratings
- Close rotations
- High risk paddocks/regions
- Varieties where resistance may be breaking down



# Sclerotinia in canola

## Current situation:

- Not a very well understood disease.
- Irregular infection outbreaks across Australia
- When infection does occur can cause severe crop losses