



Magnello[®]

A co-formulation of difenoconazole & tebuconazole
for
Oilseed Rape



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MAGNELLO – Oilseed Rape

Active ingredients	difenconazole 100g/L + tebuconazole 250 g/L
Formulation type	Emulsifiable concentrate (EC)
Crops	Winter oilseed rape
Maximum individual dose	0.8 L/ha OSR
Maximum number applications	2 in OSR (90 day interval)
Latest time of application	Winter OSR – Before flowering (GS59)
Diseases control	OSR - Light leaf spot & Phoma leaf spot plus PGR effects
Pack size	4 x 5 litre

CONFIDENTIAL

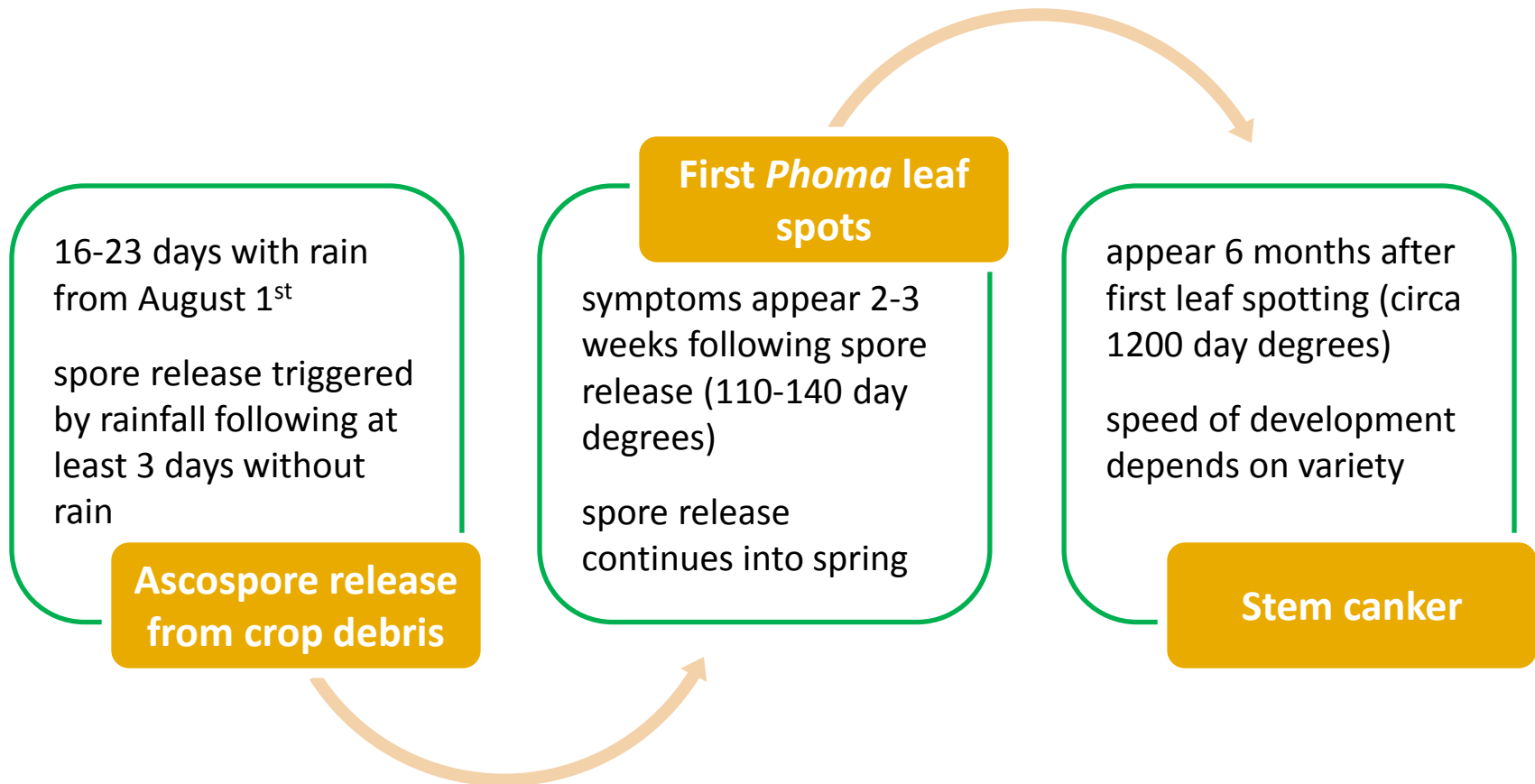


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Phoma leaf spotting and canker

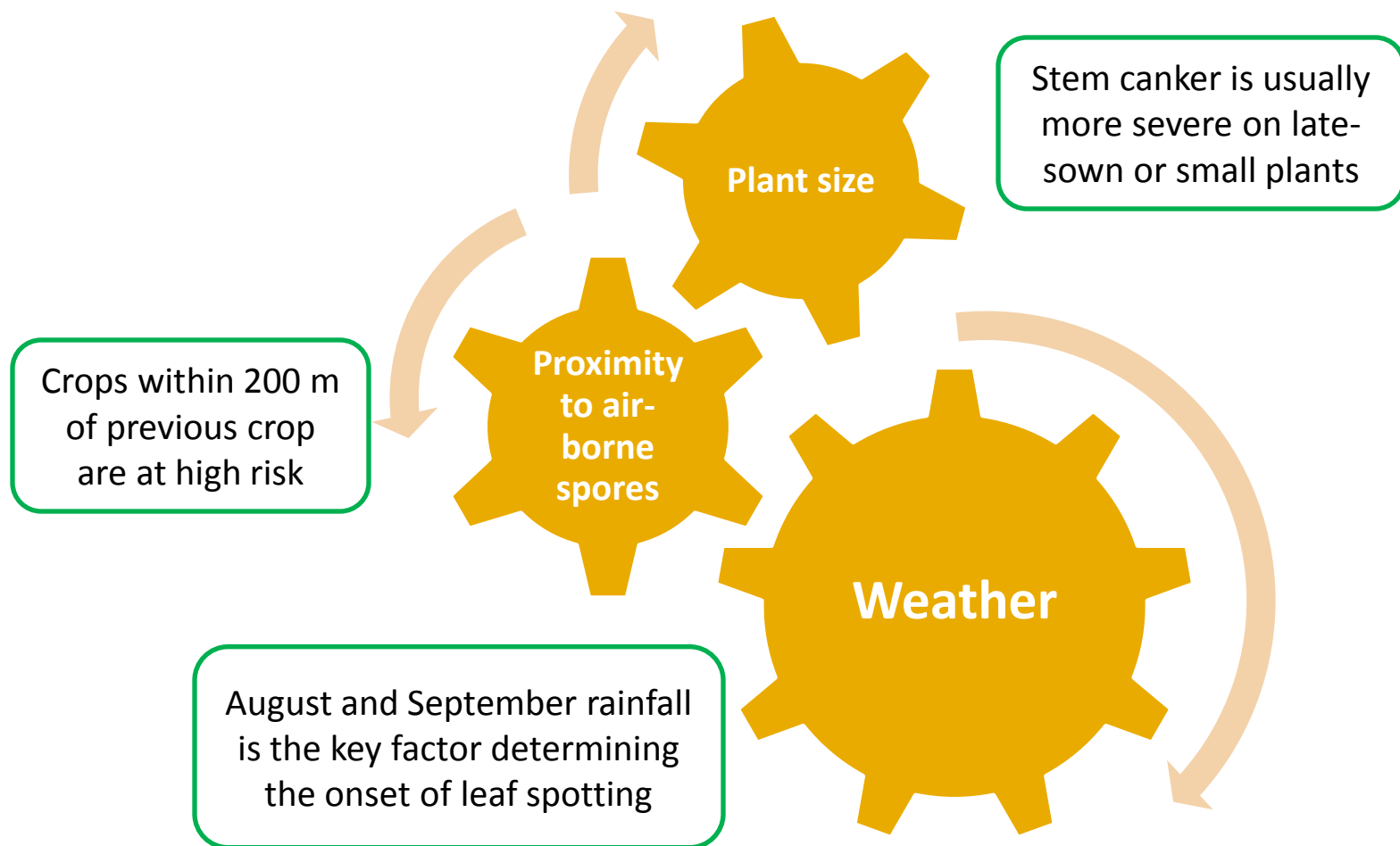


Phoma Epidemiology



Phoma infection

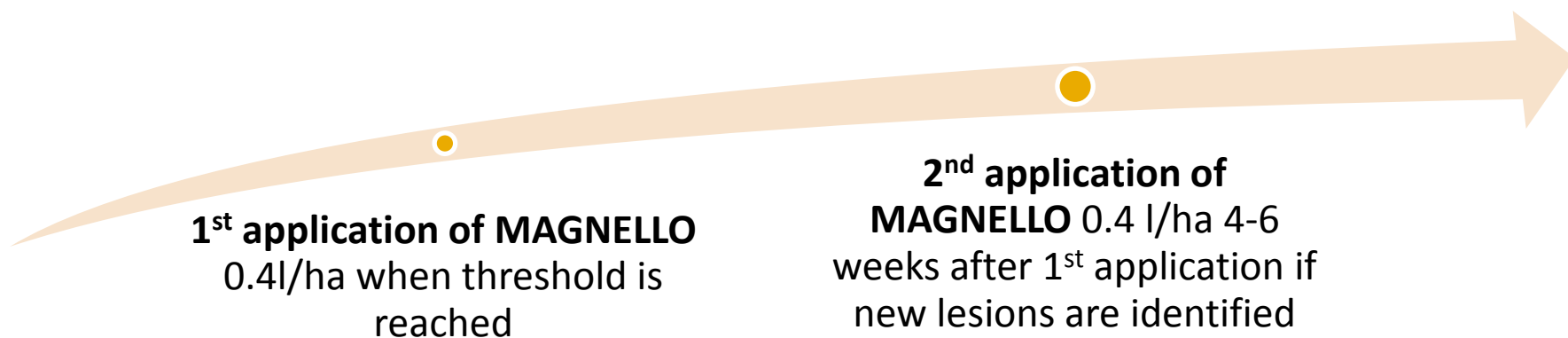
External factors



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Controlling Phoma

- Spray if 10-20% of plants infected
- Act fast – infection can go from **threshold** to **100%** in less than **10 days**
- Small or backward crops and susceptible varieties should be priority for treatment
- **Do not** compromise *Phoma* spray timing to fit with herbicide applications



Light leaf spot



Controlling Light Leaf Spot

- Where light leaf spot occurs regularly, early control with an autumn spray – usually November – is essential. Otherwise, spray when the first symptoms appear
- Most fungicides targeted against *Phoma* should also control light leaf spot
- In spring, at early stem extension (GS33), a fungicide is likely to be worthwhile if 25% or more plants have light leaf spot. Yield is lost if sprays are delayed
- Use resistant varieties

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Summary

- Optimum timing of fungicide applications is key to success
- For optimum control of *Phoma* use MAGNELLO 0.4 l/ha followed by MAGNELLO 0.4 l/ha
- Curative activity is essential to minimise infection spread.
- Trials have shown MAGNELLO can give **20% better** curative control and reduction in infected stems than other triazole fungicides when applied a week after spore inoculation.

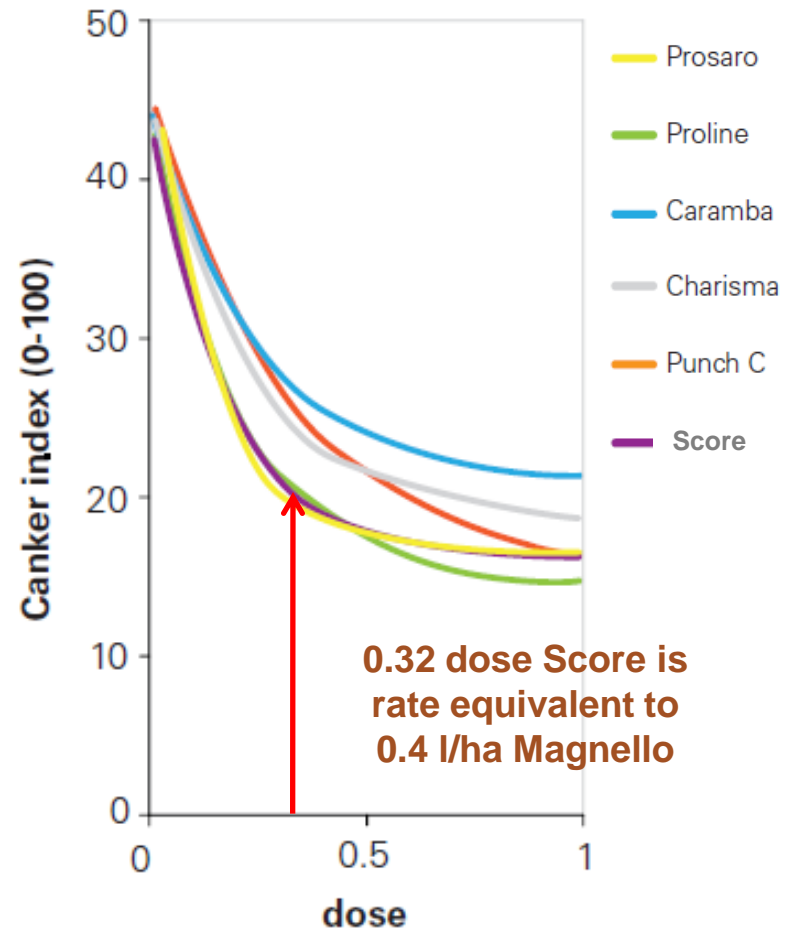
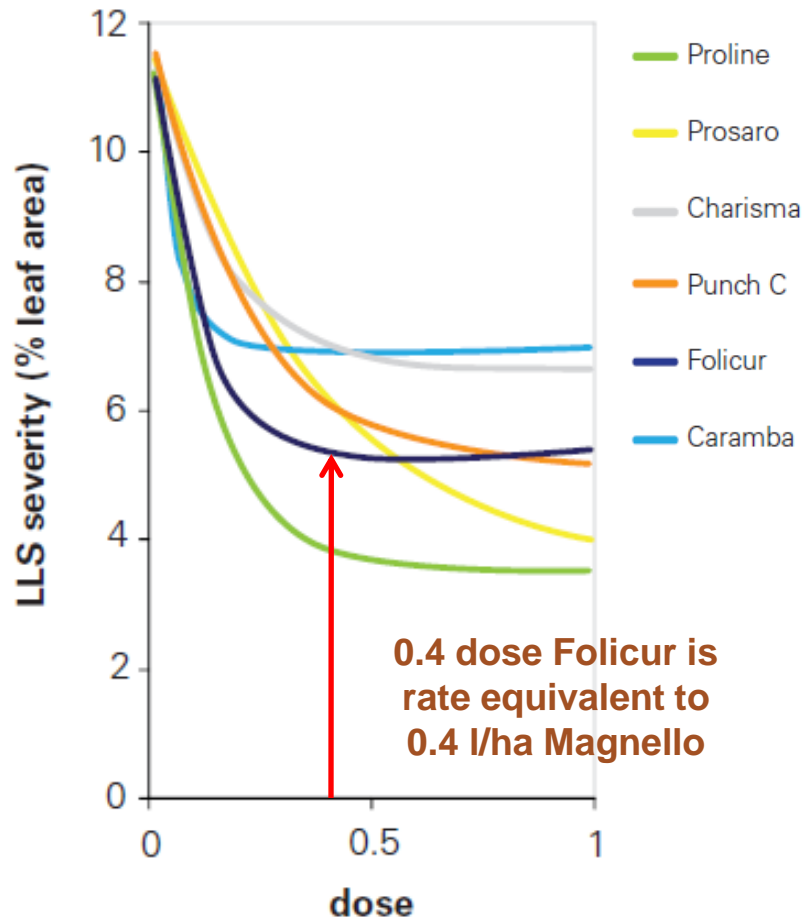
TRIALS DATA



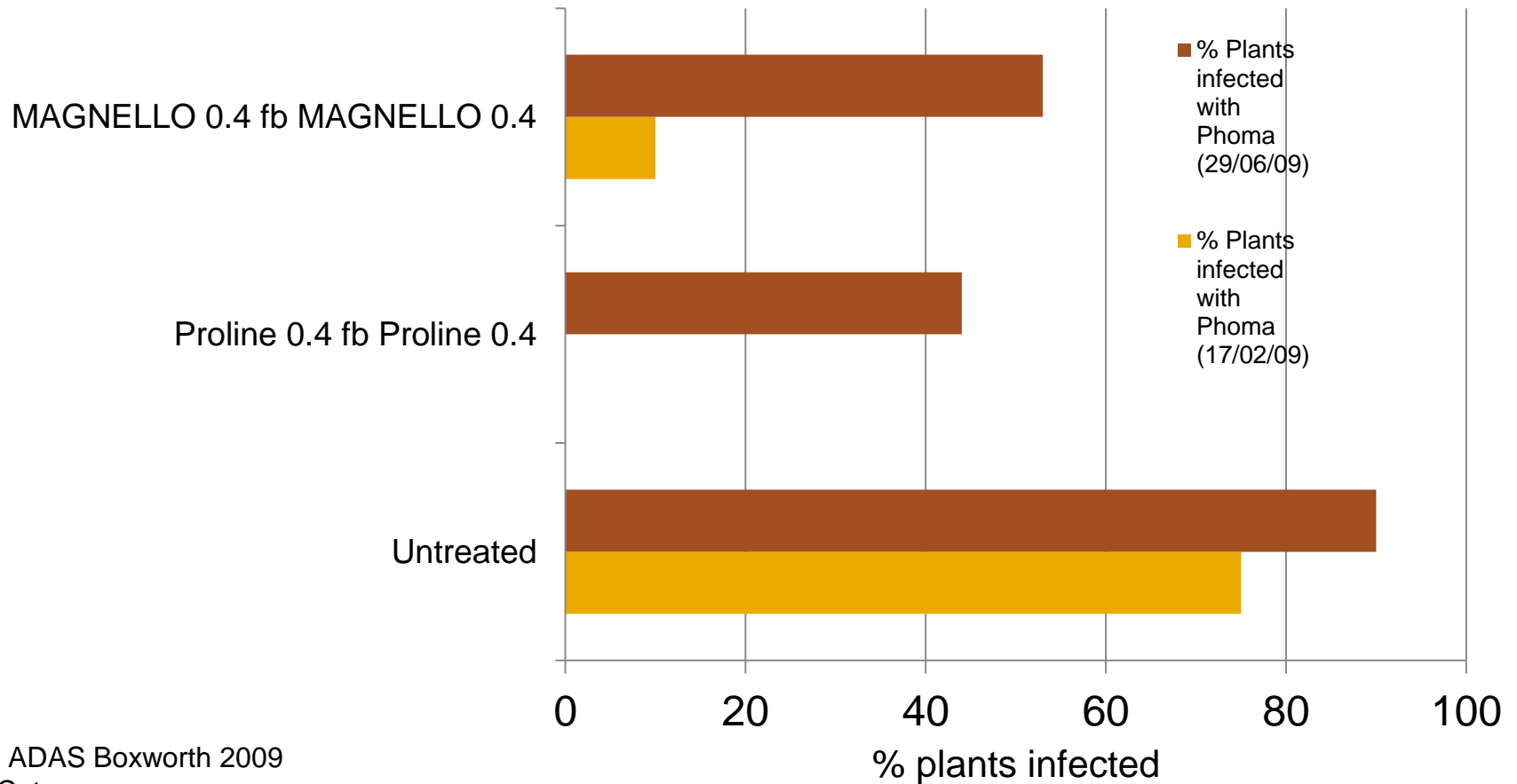
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MAGNELLO – Activity of constituents

OSR split rate 0.4 l/ha = 40 DFZ + 100g TCZ



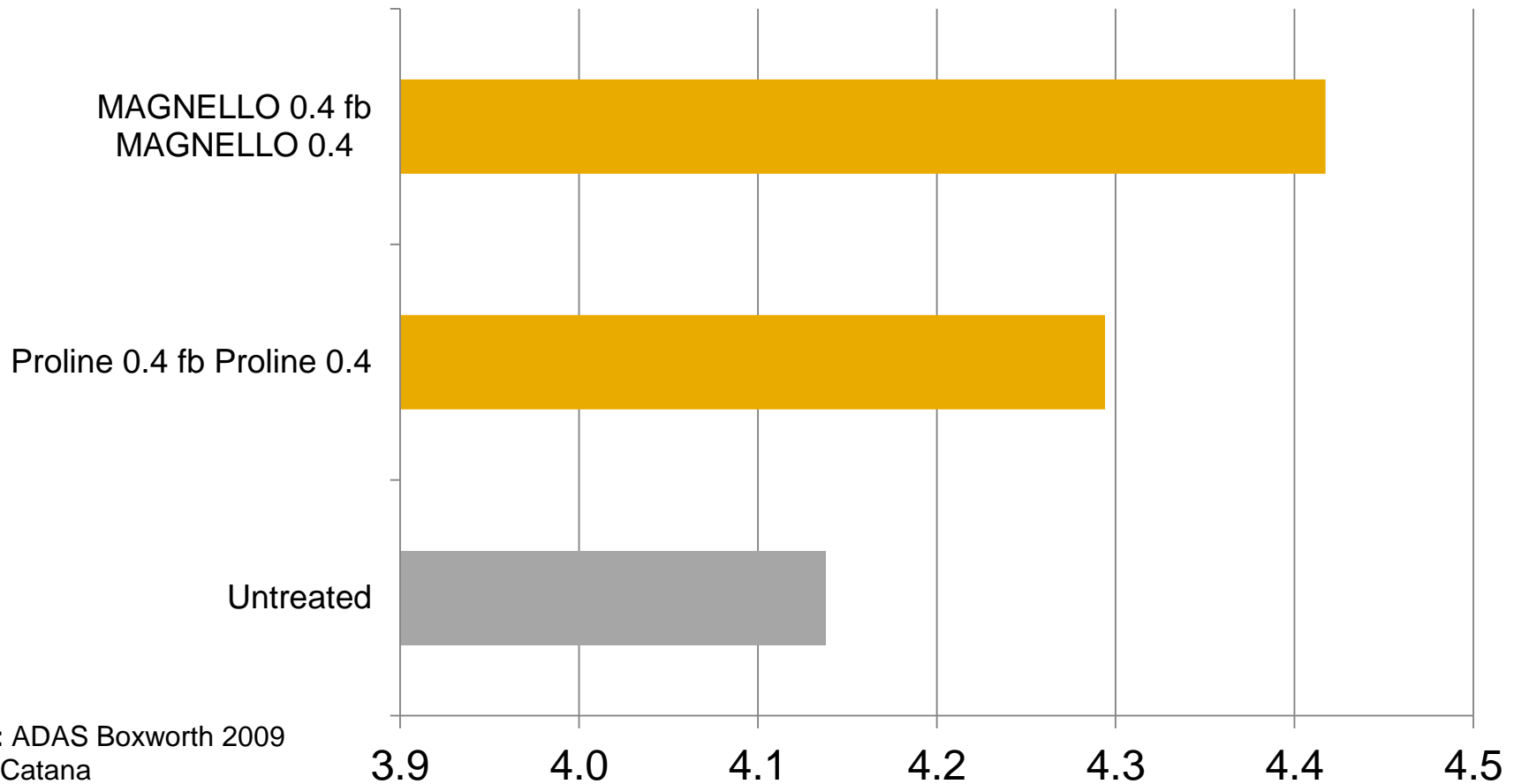
MAGNELLO – Phoma Control



Source: ADAS Boxworth 2009
Variety: Catana
LSD 10.08 (25/03), 18.94 (05/05)

MAGNELLO – Phoma Control

ADAS Boxworth 2009

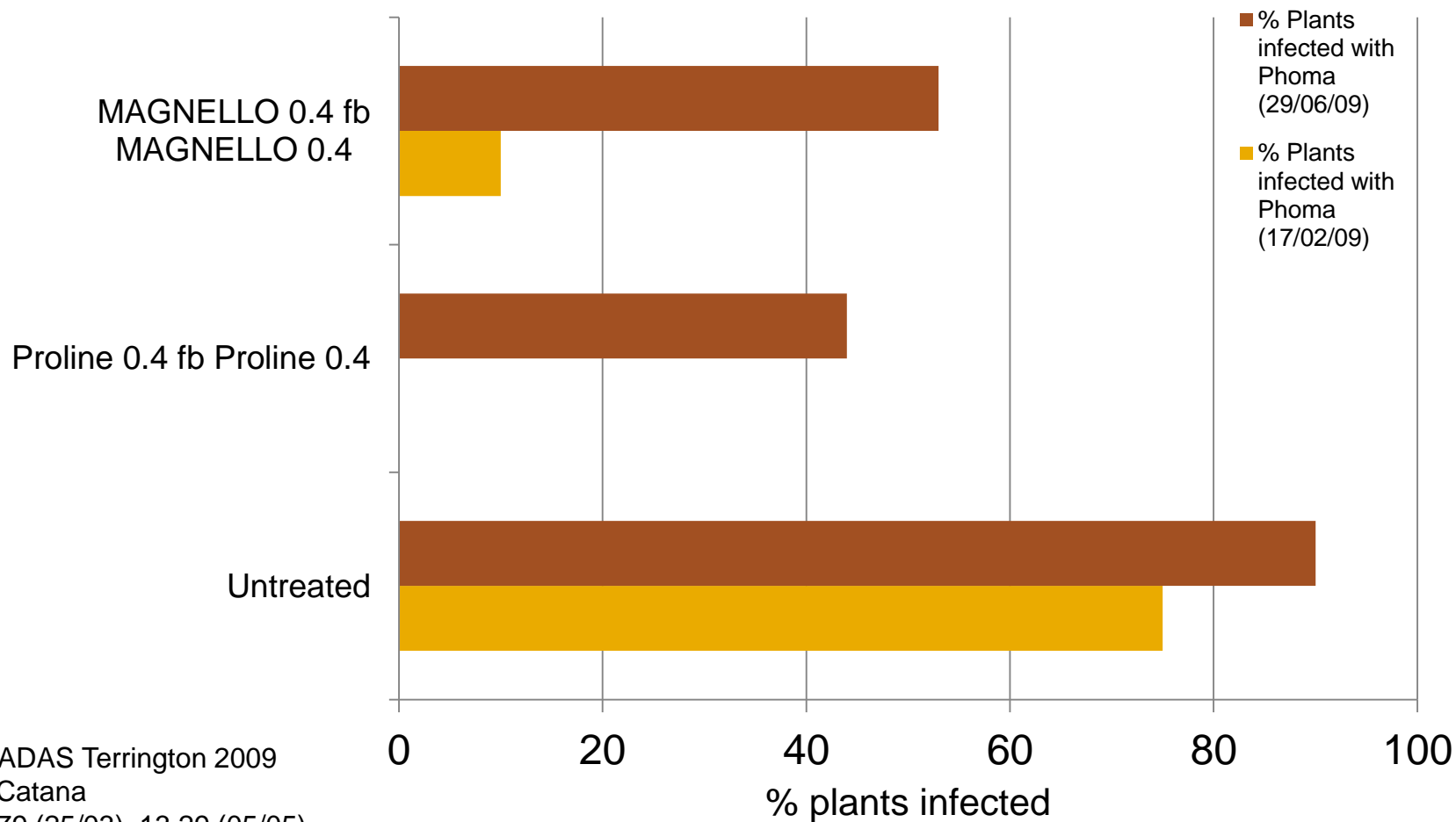


Source: ADAS Boxworth 2009
Variety: Catana
LSD 1.15



MAGNELLO – Phoma Control

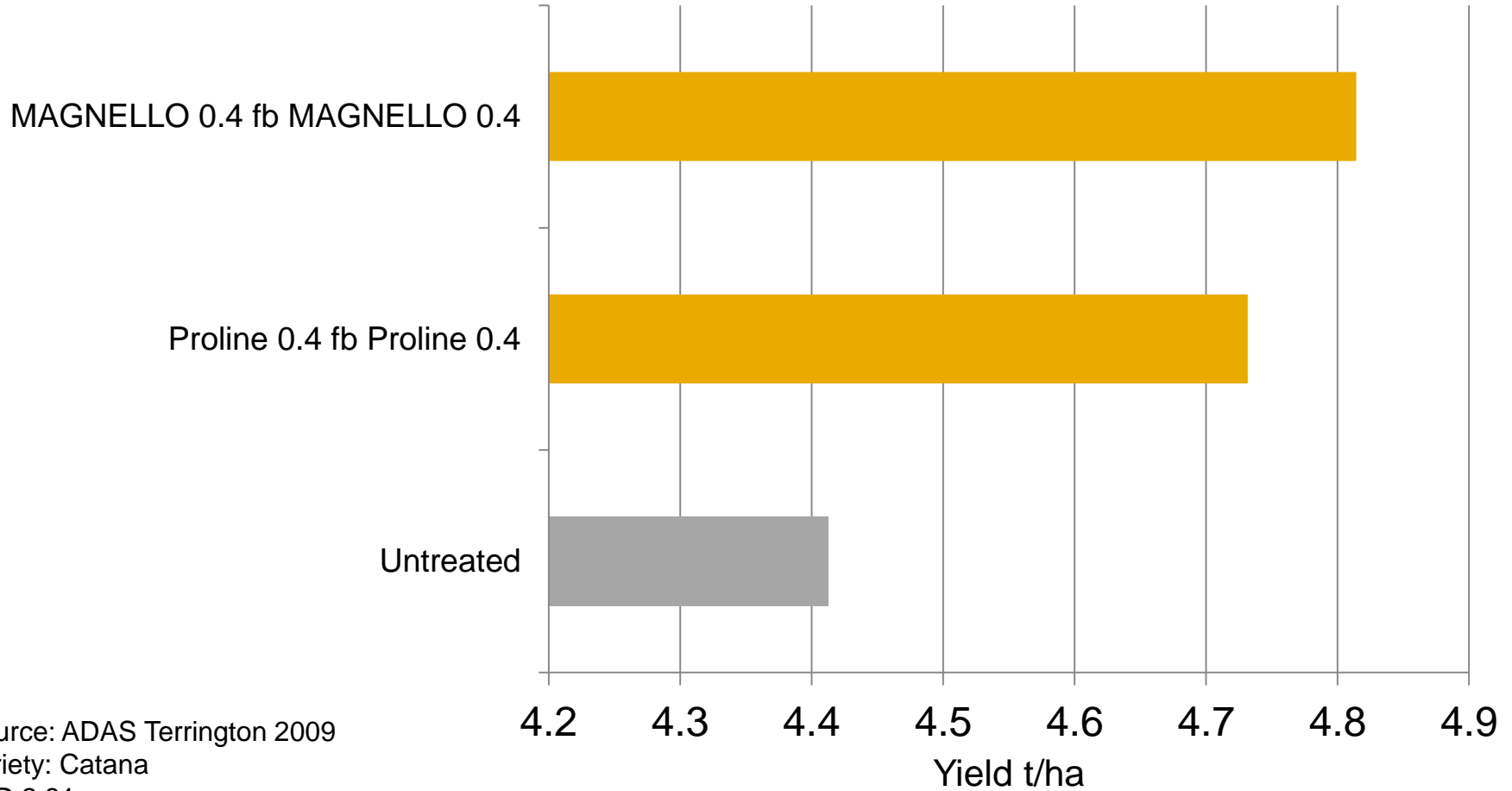
ADAS Terrington 2009



Source: ADAS Terrington 2009
Variety: Catana
LSD 15.79 (25/03), 13.29 (05/05)

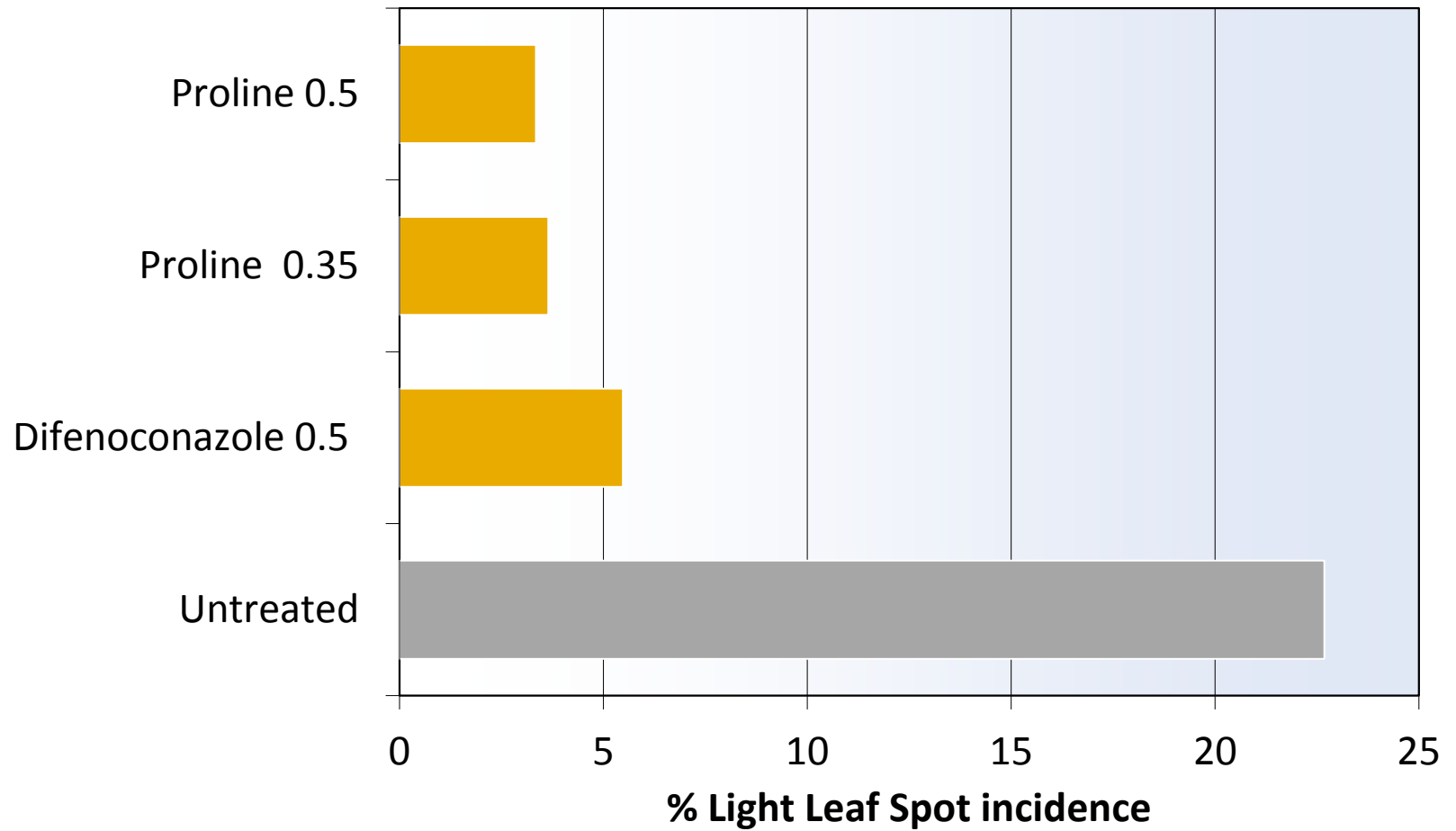
MAGNELLO – Phoma Control

ADAS Terrington 2009



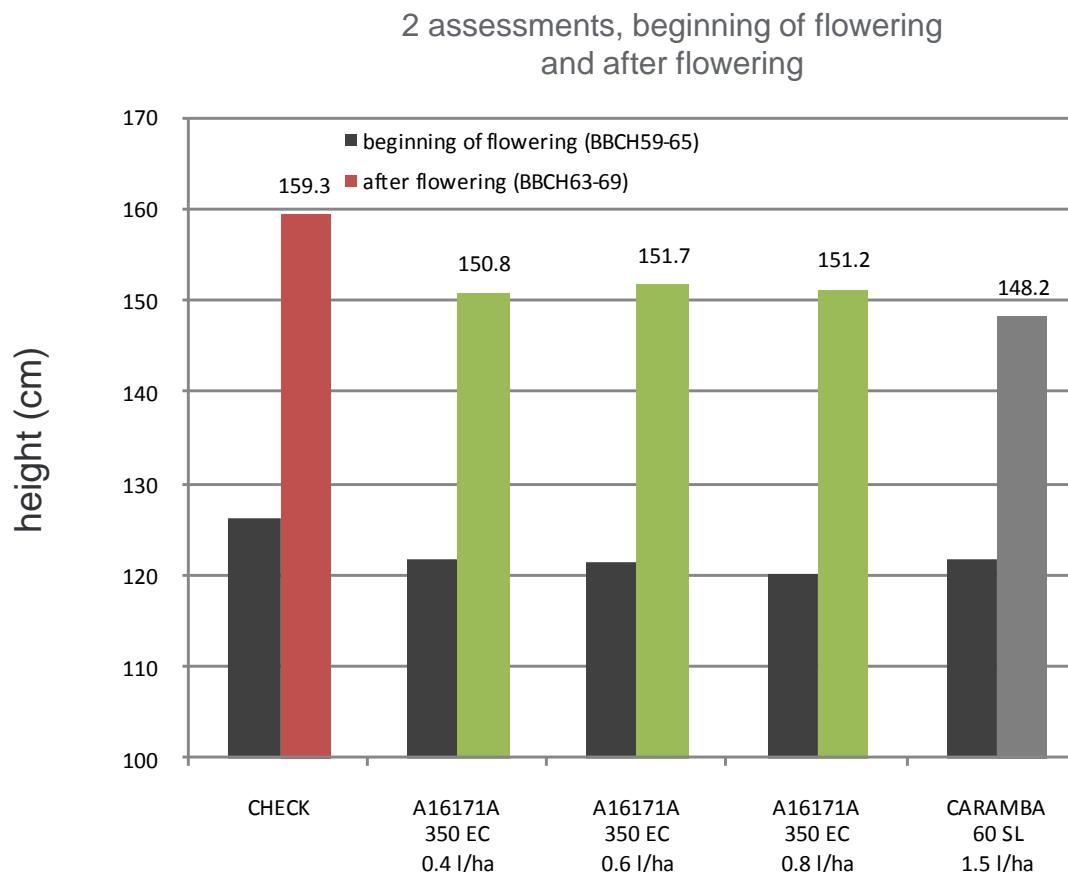
Source: ADAS Terrington 2009
Variety: Catana
LSD 2.81

Difenoconazole – Light Leaf Spot control



MAGNELLO – OSR PGR effect

FDRA03RC-2009UN (height assessments, average of 3 trials)



CARAMBA 60 SL: metconazole 90 g/ha

A16171A = MAGNELLO

DEMVF1812009, DEMVF9362009, DEOSZF3622009

1 application at BBCH35-55 -> 31.03. (BBCH35-39) / 30.03. (BBCH50-53) / 03.04. (BBCH35-51)

2 assessments at the beginning of flowering & after flowering



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