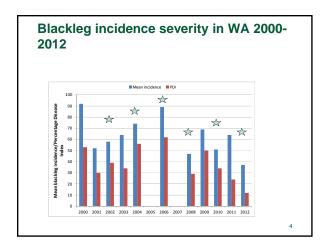
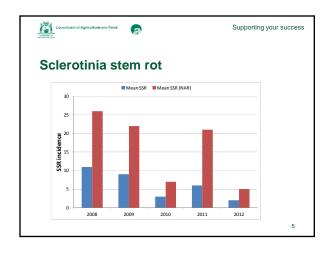
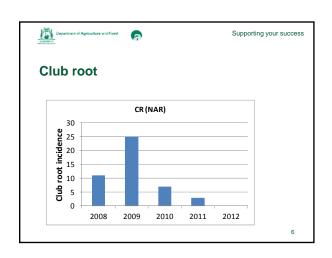
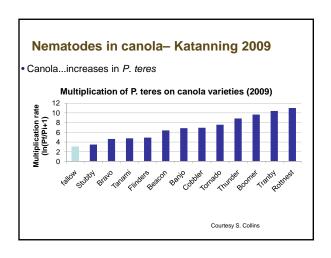


Reporting seasonal occurrence of canola diseases in WA • Pestfax Map - Advisors - Growers - Researchers - Extension Specialists - Diagnostic Services - Growers Groups • Canola disease surveys









Better managing blackleg - Foliar fungicides an additional tool Treatment Grain Yield Gross return/ha untreated (t/ha) 1.69 (\$) 121 Jockev® 1.95 975 Impact® -in-furrow Impact® foliar 1085 2.09 1045 187 (single spray at 400ml) Impact® foliar (two sprays at 200ml) 2.32 1160 297

1080

1095

204

214

Prosaro (single

at 200ml)
Canola price
Cost of fungicide

application

spray at 400ml) Prosaro (two sprays 26 2.16

26 2.19

500

ary vaccous any order of a discharge

Better Managing blackleg – National linkages

- · Staying ahead of blackleg
 - monitoring blackleg populations
- · Blackleg ratings project
 - disease nurseries

9

Better managing SSR -new fungicide

 Funcicide efficacy trial (Two spars)s, one each at 10 and 40% bloom)

 Cost ha
 Yield (tha)
 Gross, eventum ha
 Profit over return ha

 Untreated
 0.00
 2.21
 \$1105

 Rovral 2L/ha
 \$36.00 x 2 = 2.57
 \$1285
 \$98

 \$72.00
 \$105
 \$109
 \$225

 \$75m/ha
 \$49.40
 \$105
 \$225

 \$975m/ha
 \$49.40
 \$125
 \$240

 \$95m/a
 \$65 x 2 = 2.85
 \$1425
 \$240

 \$95m/a
 \$65 x 2 = 2.57
 \$1285
 \$40

 \$1L/ha
 \$130
 \$400
 \$400
 \$400

 Amistar xtra
 \$140 x 2 = 2.54
 \$1270
 \$125

 \$21/ha
 \$280
 \$118 x 2 = 2.61
 \$1305
 \$1-66

 \$356
 \$350
 \$500 (single application)
 \$400
 \$400
 \$400
 \$400
 \$400
 \$400
 \$400
 \$400
 \$400
 \$400
 \$400
 \$400
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 \$400

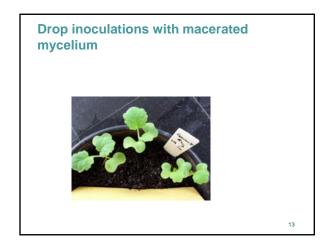
Better managing SSR -new fungicide

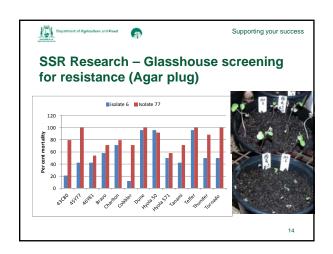
Opportunistic trial (single spray at 15% bloom)

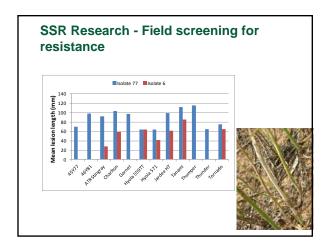
	Cost/ha	Yield (t/ha)	Gross return/ha	Profit over untreated
Untreated		2.7	\$1350	
Rovral	\$36.00	2.94	\$1470	\$79
2L/ha				
Prosaro	\$34.65	3.17	\$1585	\$200
575ml/ha				
Application	\$5.00 (single			
cost	application)			
Canola	\$500			
price				

Better managing SSR – Identifying sources of resistance

- Glasshouse experiments
 - Macerated mycelium inoculations (intact cotyledons)
 - Agar plug inoculations
 - Used about 30 different isolates
 - 20 genotypes (experiments repeated 4-5 times)
- Field experiment
 - Stem inoculations







Pros & Cons of Seedling vs Adult Plant **Screening** Seedling screening Adult plant screening · Slow and Rapid and easy[©] cumbersome · Disease pressure · Disease pressure extreme reasonable · Resistance identified • No such issues with at seedling stage may not express at AP screening © AP stage Both methodologies identified pathogenic variations 16

