
Australian National Canola Pathology Program

Three years of survey data of canola diseases other than blackleg

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Supporting your success

Objectives

- “ Determine impact of all other diseases with an emphasis on Sclerotinia
- “ Determine yield loss and strategies to control pathogens of economic relevance
- “ Provide recommendations to growers.

Early, mid-late season disease monitoring

Protocol

- . All blackleg monitoring sites
- . Commercial crops where possible

- “ For general disease monitoring from trials, disease assessments were made on 20-50 randomly selected plants (non-destructive sampling)
- “ From commercial crops, 40-50 plants collected along a 250m transect

2015 monitoring

Early-late diseases - Victoria

2015 SABL site data Site	Other diseases (site score)				
	DM	WLS	PM	ALS	SSR
Streatham	Minor	Minor	Absent	Absent	Absent
Hamilton	Absent	Moderate	Absent	Absent	Absent
Minyip	Present	Moderate	Absent	Absent	Absent
Kaniva	Present	Present	Absent	Absent	Absent
Charlton	Absent	Absent	No data	No data	No data
Yarrowonga	Present	Present	Absent	Absent	Minor
Wunghnu	Minor	Minor	Absent	Absent	Present
Diggora	Absent	Absent	Absent	Absent	Absent

Early-late diseases - SA

2015 SABL site data Site	Other diseases (site score)				
	DM	WLS	PM	ALS	SSR
Arthurton	Minor	Absent	Present	Present	Absent
Bordertown	Present	Minor	Absent	Absent	Absent
Mt Hope	No data	No data	Absent	Minor	Moderate
Riverton	Present	Absent	Minor	Absent	Absent
Spalding	Minor	Absent	Minor	Absent	Present
Turretfield	Present	Minor	Minor	Minor	Absent
Frances	Present	Present	Absent	Absent	Absent
Vanilla	No data	No data	Absent	Minor	Absent

Early-late diseases - NSW

2015 SABL site data	Other diseases (site score)				
Site	DM	WLS	PM	ALS	SSR
Beckom	Minor	Minor	Absent	Absent	Minor
Cootumundra	Absent	Minor	Absent	Absent	Minor
Cudal	Present	Present	Absent	Absent	Absent
Gerogery	Absent	Minor	Absent	Absent	Minor
Grenfell	Absent	Minor	No data	No data	No data
Lockhart	Absent	Minor	Absent	Absent	Minor
Parke	Present	Minor	Absent	Absent	Minor
Wagga Wagga	Absent	Absent	Absent	Absent	Absent
Ederoi	Minor	Minor	No data	No data	No data
Mullaley	Present	Minor	No data	No data	No data

Early-late diseases - WA

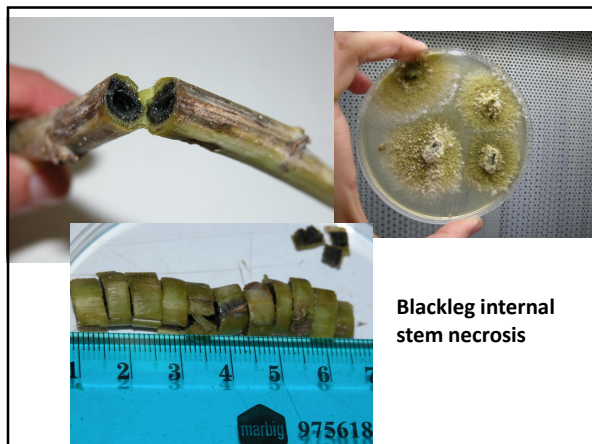
2015 SABL site data	Other diseases (site score)				
Site	DM	WLS	PM*	ALS	SSR
Badgingarra	Absent	Absent	Absent	Absent	Absent
Corrigin	Absent	Absent	Absent	Absent	Mild
Gibson	Absent	Absent	Absent	Absent	Severe
Katanning	Absent	Absent	Absent	Present	Mild
Kendenup	Absent	Absent	Absent	Absent	Moderate
Kojonup	Absent	Absent	Absent	Absent	Mild
South Stirlings	Absent	Absent	Absent	Absent	Moderate
Williams	Absent	Absent	Absent	Absent	Absent

*Severe PM in the northern region

State-wide other disease comparisons 2013 -2015

Disease	2013	2014	2015
Sclerotinia stem rot	WA and NSW	WA and NSW	WA and NSW
Downy mildew	Vic and WA	WA	Not a serious issue
White leaf spot	Vic	Not a serious issue	Not a serious issue
Alternaria pod spot	Vic, WA, SA	Not a serious issue	Not a serious issue
Powdery mildew	Not a serious issue	Not a serious issue	WA northern region
Charcoal rot	Mild issue in WA	Not a serious issue	Moderate issue in WA
TuYV	Low levels in all states	SA, NSW and Vic	Low levels in all States

Increased frequency of blackleg attacking floral parts



Charcoal rot



Undiagnosed problem

“ WA



Summary

- “ Disease levels have been variable
- “ Occasionally yield limiting – downy mildew in 2014
- “ Frequency of blackleg attacking floral parts/branch increasing
- “ Charcoal rot seems to be on the rise in WA
- “ Continue monitoring activity
- “ Investigate the disease impact upon canola production
- “ Control measures