Department of Primary Industries

Incidence, severity and yield loss due to Sclerotinia stem rot

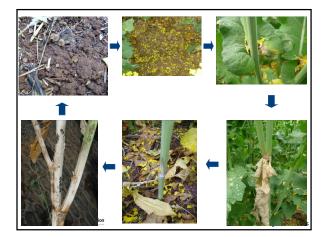
Kurt Lindbeck / Audrey Leo/Gerard O'Connor – NSW Department of Primary Industries, Wagga Wagga

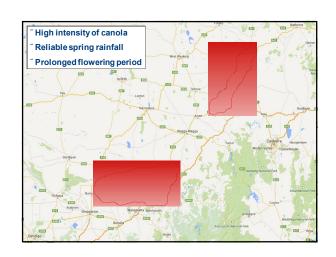
Ravjit Khangura - Department of Agriculture and Food - Western Australia, South Perth

Andrew Ware – SARDI, Port Lincoln

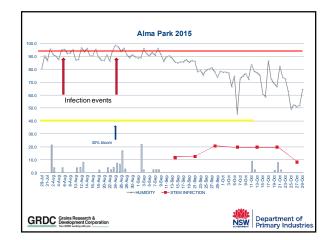
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Southern NSW Very wet winter favourable for apothecia development Dry spring decreased potential disease Moderate level of disease in sclerotinia prone districts Victoria Drier than average conditions prevented significant disease development South Australia Severe outbreaks on Lower Eyre Peninsula Western Australia The disease levels were very low in the northern region and moderate in the southern region. Overall State-wide levels were 18%, up by 3% on 2014.

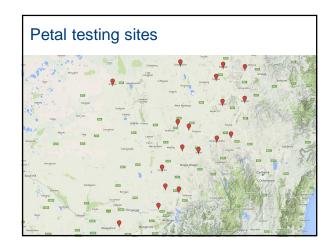


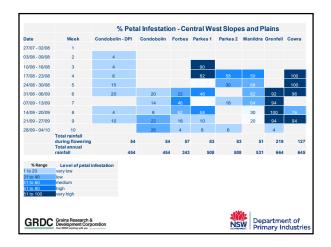


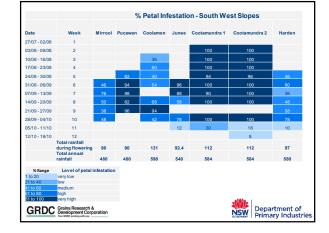
NSW monitoring - 2015 Improve our understanding of the relationships between humidity/temperature and stem rot development Commercial crops monitored at Howlong, Alma Park, Morven and Cootamundra Data loggers used to measure humidity and temperature every 30 minutes (early July . end Oct)

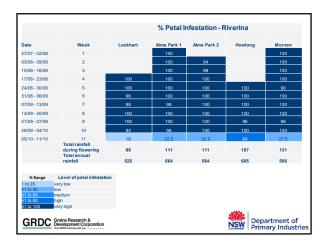


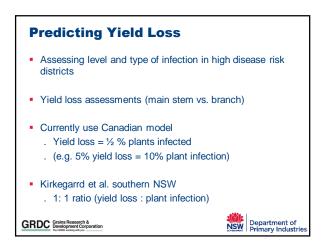
NSW mo	onitoring - 2	2015
Date of first o	bserved stem lesion and highe	est level of stem infection
Site	Date of 1st stem lesion - 2015	Highest level of stem infection
Howlong	13/10	13.6%
Alma Park 1	14/09	21%
Alma Park 2	21/09	7%
Morven	14/09	3.6%
Cootamundra 1	07/10	10%
Cootamundra 2	14/10	3%
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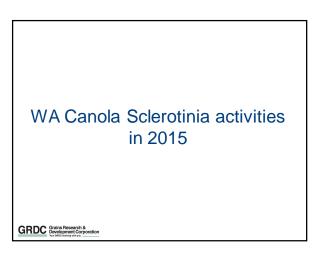




Site	Infection	% Yield loss per plant		
	type	2014	2015	2016
Howlong	None	0	0	0
Howlong	Main stem	72	82	36
Howlong	Branch	19	20	6
Morven	None	0	0	0
Morven	Main stem	63	54	94
Morven	Branch	18	9	23

 Small isolated areas of severe infection e.g. Mt Hope What advice for Eyre Peninsula (growers have already decided that Diamond is more susceptible)? % Plants infected at Mt Hope
decided that Diamond is more susceptible)? % Plants infected at Mt Hope
Veriet. 0/ electe with stars leave 0/ electe with breach leave
Variety % plants with stem lesion % plants with branch lesion
GROUPA 15 2
GROUP B 25 15
GROUP C 25 0
Group D 22 2
GROUP E 13 2
GROUP F 50 5
GROUP S 8 0
Diamond paddock 40 0
Diamond plot 35 10
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Sclerotinia levels

- Sclerotinia levels were monitored in about 36 canola crops in 2015. The disease levels were very low in the northern region and moderate in the southern region.
- Overall State-wide levels were 18%, up by 3% on 2014.
- Some individual crops suffered up to 20% yield losses.

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