

Botryosphaeria dieback of grapevine: potential for cross-infection of horticultural crops in Australia

Project ID: NWGICH6

Dieback of horticultural crops has been reported in various regions in NSW. Preliminary investigations revealed Botryosphaeriaceae fungi to be associated with the symptoms. This project aims to (i) further survey horticultural crops in regions of NSW for the presence of Botryosphaeriaceae and other pathogenic organisms; (ii) determine the potential for Botryosphaeriaceae to cross-infect between hosts; and (iii) determine the genetic diversity of Botryosphaeriaceae from various hosts. This information is required to determine which Botryosphaeriaceae are present in horticultural crops, which are pathogenic and likely to economically impact on production. Expected outcomes include the identification of the organisms contributing to dieback symptoms in horticultural crops and information on the ability of Botryosphaeriaceae to move within and between hosts and to cause disease.

References

- Pitt *et al* (2010) Identification and distribution of *Botryosphaeriaceae* species associated with grapevine decline and dieback in New South Wales and South Australia. *Australian Journal of Grape and Wine Research* **16**:258-271.

For additional information please contact:

Dr Regina Billones-Baaijens
National Wine & Grape Industry Centre
Charles Sturt University
Email: rbaaijens@csu.edu.au
<https://www.csu.edu.au/nwgic/about-us/our-people/profiles/research-staff/regina-billones-baaijens>
Ph +61 (0)2 6933 2157

A/Prof Sandra Savocchia
National Wine & Grape Industry Centre
Charles Sturt University
Email: ssavocchia@csu.edu.au
<https://www.csu.edu.au/nwgic/about-us/our-people/profiles/research-staff/sandra-savocchia>
Ph +61 (02)2 6933 4341