

# Bio-Protection Symposium

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managing pests: the future of biocontrol

Lincoln University, Canterbury, New Zealand, 31 August 2011

## Posters presented:

- 1. Smart Seeds for Export: Development of a biocontrol agent for brassica black rot**  
Bronwyn Braithwaite, Adele Scott, Tamara Roush, Eline van Zijll de Jong, Alison Stewart, John Hampton (Bio-Protection Research Centre)
- 2. Isolation and characterisation of potential bacterial biocontrol agents from brassica and potato cropping systems**  
M. Braithwaite, E. Hicks, A. Stewart, L. Loguercio, R.E. Falloon, D. Bienkowski (Bio-Protection Research Centre)
- 3. A bioassay to screen biological control agents against aerial infections of *Sclerotinia sclerotiorum* on brassica leaves**  
E. Hicks, M. Braithwaite, M. Pan and A. Stewart (Bio-Protection Research Centre)
- 4. Induction of a new fungicide –tolerant isolate of *Trichoderma atroviride* using protoplast technology**  
Janaki Kandula, Margaret Carpenter, Alison Stewart (Bio-Protection Research Centre)
- 5. Effect of trehalose on the biological activity of *Trichoderma atroviride*, LU132**  
Janaki Kandula, Mark Braithwaite, Amanda Hay, Alison Stewart (Bio-Protection Research Centre)
- 6. Pasture seed additive-a prototype *Trichoderma*-based bio-inoculant for enhanced seedling emergence and pasture growth in New Zealand**  
Wadia D.R. Kandula, Alison Stewart, Janet McDermid and John S. Hunt (Bio-Protection Research Centre)
- 7. Genotypes of the fungus *Beauveria bassiana* endophytic in *Brassica oleracea* and *Pinus radiata* in New Zealand**  
Aimee McKinnon and Travis Glare
- 8. Biological control of onion white rot**  
Kirstin McLean, John Hunt and Alison Stewart (Bio-Protection Research Centre)
- 9. Towards better mitigation technologies for invasive wasps, *Vespula* spp.**  
M. Brownbridge, R. Toft, J. Rees, T.L. Nelson, C. Blunt (AgResearch, 2009)
- 10. Susceptibility of red-headed cockchafer, *Adoryphorus couloni*, in New Zealand to *Metarhizium ansipoliae* strain DAT-F001 (Chafer Guard™)**  
M. Brownbridge, R.J. Townsend, T.L. Nelson, B. Gicquel, M. Gengos (AgResearch, 2009)
- 11. Production of *Metarhizium ansipoliae* microsclerotia for insect pest control**  
M.B. Najera-Rincon, T.L. Nelson, D. Wright, R.J. Townsend, T.A. Jackson (AgResearch, 2011)

- 12. Influence of moisture content and packaging on stability of *Serratia entomophila* (Enterobacteriaceae) in granular formulations**  
J. Swaminathan and T.A. Jackson (AgResearch, 2009)
- 13. A microbe friendly technology to enhance survival of the biocontrol bacteria *Pseudomonas fluorescens***  
J. Swaminathan, T.A. Jackson, J. Lottmann, D. Wright, M. O'Callaghan (AgResearch, 2006)
- 14. *Rhizoctonia solani* infecting potatoes in New Zealand**  
Subha Das, Richard E. Falloon, Alison Stewart, Andrew Pitman (Plant and Food Research)
- 15. Laboratory bioassays to establish the efficacy of two biocontrol agents against *Xanthomonas campestris* pv. *campestris***  
Dhairyasheel Desai, Robert Braun, Sandra Visnovsky, Andrew Pitman, Mary Christey (Plant and Food Research)
- 16. Molecular analysis of the interaction between the pathogen *Xanthomonas campestris* and host *Brassica oleracea***  
Dhairyasheel Desai, Robert Braun, Sandra Visnovsky, Andrew Pitman, Mary Christey (Plant and Food Research)
- 17. Development of biologically-based products for control of botrytis bunch rot in grapes**  
F.J. Parry, P.A.G. Elmer, T. Reglinski, K.V. Wurms, P.N. Wood, R.H. Agnew, S.M. Hoyte, T.M. Spiers, A. AH Chee, D.C. Mundy, R. M. Marsden and J.T. Taylor (Plant and Food Research)