

**Response to Questions on Notice from the Senate  
Inquiry into Environmental Biosecurity hearing of Friday  
31 October, 2014  
and additional information regarding the Plant  
Biosecurity Cooperative Research Centre's research  
portfolio.**

This document summarises the work the Plant Biosecurity Cooperative Research Centre and the Cooperative Research Centre for Plant Biosecurity have supported in the areas of Fruit Fly, Myrtle Rust and Climate Change.

**National Fruit Fly Research, Development and Extension Plan**

In May 2013, the Board of the Plant Biosecurity Cooperative Research Centre (PBCRC) agreed in principle to the need for national co-ordination of a Fruit Fly Research, Development and Extension Plan. Consequently, the PBCRC consulted with several key stakeholders about taking on coordination of fruit fly RD&E, consistent with the National Fruit Fly Strategy. Work by the PBCRC was deferred with the launch of the SITPlus Initiative, to allow a better understanding of the initiative to be developed and synergies identified.

As the SITPlus initiative developed, the need for a national plan was re-emphasised, thus the Minister for Agriculture requested and the PBCRC Board approved a project to develop, coordinate and implement the National Fruit Fly Research and Development and Extension Plan.

This long term (twenty year) Plan sits under both the National Fruit Fly Strategy and the National Plant Biosecurity RD&E Strategy and will operate under advice from the National Fruit Fly Strategy Advisory Committee and the National Plant Biosecurity RD&E Strategy Implementation Committee.

The Plan development was led by a Writing Group consisting of industry and research leaders, and widely consulting the fruit fly community. The first Consultation Draft of this Plan has been developed and endorsed by the National Fruit Fly Advisory Committee (NFFAC) for wider consultation with the intent of providing an 'Endorsement draft' Plan to the Minister by the end of November.

## Research Investments of the Plant Biosecurity CRC and the CRC for National Plant Biosecurity

PBCRC and CRCNPB Fruit Fly Investments			
PBCRC (2012-)			
Project Number	Project Title	Project Leader	Weblink
2005	High Density Mass Q Fly Trapping (HAL)	Andrew Jessup (NSWDPI)	
3024	Pre-Harvest control of Q Fly	Tony Clarke (QUT)	
3066	Q-fly lure and kill	Tony Clarke (QUT)	<a href="http://www.pbcrc.com.au/research/project/3066">http://www.pbcrc.com.au/research/project/3066</a>
3097	<i>Improved post-harvest market access treatment in horticultural commodities</i>	<i>Lisa Jamieson (PFRNZ)</i>	
3091	Audit of the fruit fly body of knowledge	Bernie Dominiak (NSWDPI)	<a href="http://www.pbcrc.com.au/research/project/3091">http://www.pbcrc.com.au/research/project/3091</a>
4127	National Fruit Fly Research, Development and Extension Plan	Michael Robinson (PBCRC)	<a href="http://www.pbcrc.com.au/research/fruit-fly-plan">http://www.pbcrc.com.au/research/fruit-fly-plan</a>
63083	Probiotics for enhancing sterile fruit fly performance (PhD)	Toni Chapman (DPI NSW)	
63086	Chemical Host location in fruit fly (PhD)	Tony Clarke (QUT)	<a href="http://www.pbcrc.com.au/research/project/63086">http://www.pbcrc.com.au/research/project/63086</a>
CRCNPB (2006-2012)			
20115	Resolving the <i>Bactrocera dorsalis</i> Complex	Tony Clarke (QUT)	<a href="http://legacy.crcplantbiosecurity.com.au/project/crc2_0115-resolving-bactrocera-dorsalis-complex">http://legacy.crcplantbiosecurity.com.au/project/crc2_0115-resolving-bactrocera-dorsalis-complex</a>
30022	Developing Female Fruit Fly Lures for Improved Market Access (HAL)	Katina Lindhout (NSWI&I)	<a href="http://legacy.crcplantbiosecurity.com.au/project/crc3_0022-female-lures-fruit-fly-trapping">http://legacy.crcplantbiosecurity.com.au/project/crc3_0022-female-lures-fruit-fly-trapping</a>
30039	Prove and Effectively Manage Area Freedom from Fruit Flies (HAL)	Frances De Lima (DAFWA)	<a href="http://legacy.crcplantbiosecurity.com.au/project/crc3_0039-fruit-fly-area-freedom">http://legacy.crcplantbiosecurity.com.au/project/crc3_0039-fruit-fly-area-freedom</a>
40088	Ecology and Preharvest Control of Fruit Flies for Systems Approaches to Market Access for Fruit Fly Host Commodities (HAL)	Tony Clarke (QUT)	<a href="http://legacy.crcplantbiosecurity.com.au/project/crc4_0088-preharvest-fruit-fly">http://legacy.crcplantbiosecurity.com.au/project/crc4_0088-preharvest-fruit-fly</a>
70100	Optimal Investment in R&D for Plant Biosecurity	Ben White (UWA)	<a href="http://legacy.crcplantbiosecurity.com.au/project/crc7_0100-optimal-investment-rd-plant-biosecurity">http://legacy.crcplantbiosecurity.com.au/project/crc7_0100-optimal-investment-rd-plant-biosecurity</a>

## PBCRC and CRCNPB Myrtle Rust Investments

### PBCRC (2012-)

Project Number	Project Title	Project Leader	Weblink
2023	Managing myrtle rust – interim investment	Suzy Perry (QDAFF)	<a href="http://www.pbcrc.com.au/research/project/2023">http://www.pbcrc.com.au/research/project/2023</a>
2063	Managing myrtle rust and its impacts in Australia	Suzy Perry (QDAFF)	<a href="http://www.pbcrc.com.au/research/project/2063">http://www.pbcrc.com.au/research/project/2063</a>

### CRCNPB (2006-2012)

70186	Understanding myrtle rust epidemiology and host specificity to determine disease impact in Australia	Suzy Perry (DEEDI)	<a href="http://legacy.crcplantbiosecurity.com.au/project/crc70186-understanding-myrtle-rust-epidemiology-and-host-specificity-determine-disease-impac">http://legacy.crcplantbiosecurity.com.au/project/crc70186-understanding-myrtle-rust-epidemiology-and-host-specificity-determine-disease-impac</a>
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## PBCRC and CRCNPB Climate Change Investments

### PBCRC (2012-)

Project Number	Project Title	Project Leader	Weblink
1031	Understanding the significance of natural pathways for pest entry into Australia and New Zealand	Alan Yen (DEPIVic)	<a href="http://www.pbcrc.com.au/research/project/1031">http://www.pbcrc.com.au/research/project/1031</a>

### CRCNPB (2006-2012)

10071	Climate Change	Jo Luck (DEPIVic)	<a href="http://legacy.crcplantbiosecurity.com.au/project/crc10071-climate-change">http://legacy.crcplantbiosecurity.com.au/project/crc10071-climate-change</a>
10196	Climate Change and Pest Risk Analysis	Kyla Finlay (DEPIVic)	<a href="http://legacy.crcplantbiosecurity.com.au/project/climate-change-and-pest-risk-analysis">http://legacy.crcplantbiosecurity.com.au/project/climate-change-and-pest-risk-analysis</a>

Information on the full research portfolio of the Plant Biosecurity CRC can be found at <http://www.pbcrc.com.au/research>