

FINAL
Australian fruit fly activities stocktake 1 July 2003 to 30 June 2008
Total value \$128,689,069

Project/activity title	Total budget 1 July 2003 to 30 June 2008	FF strategy code	Stocktake Sub-code	Funding Source/s coded	Timeframe	Organisation	Location
Tristate fruitfly area freedom awareness program	\$246,500	Market access	Public awareness	Industry	2006-2008	Horticulture Australia Limited	VIC
Australian Government Department of Agriculture, Fisheries and Forestry, International Division activities	\$500,000	Market access		Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry	Australia
Victoria fruit fly control program.	\$7,263,316	Operational	Control	Government	Ongoing	Department of Primary Industries Victoria	VIC
Fruit fly control program for NSW	\$10,000,000	Operational	Control	Government	Ongoing	NSW Department of Primary Industries	NSW
South Australia incursion response activities	\$2,059,049	Operational	Emergency response	Government	Ongoing	Primary Industries and Resources South Australia	SA
Enhanced general awareness and practice change, for Queensland fruit fly in Victoria.	\$405,000	Operational	Public awareness	Government	2006-2010	Department of Primary Industries Victoria	VIC
Victoria fruit fly public awareness program	\$318,325	Operational	Public awareness	Government and industry (minor)	Ongoing	Department of Primary Industries Victoria	VIC
South Australia community and industry liaison activities	\$850,250	Operational	Public awareness	Government	Ongoing	Primary Industries and Resources South Australia	SA

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Production of saleable wall posters on fruit fly pests in a number of languages	\$40,000	Operational	Public awareness	Industry and the International Atomic Energy Agency	2005-2008	Scientific Advisory Services	QLD
Enhanced sterile insect technique capability and fruit fly management by Department of Primary Industries Victoria	\$502,500	Operational	Sterile Insect Technique Production	Government	2006-2009	Department of Primary Industries Victoria	VIC
New South Wales research (Fruit Fly Exclusion Zone and Sterile Production facility)	\$120,000	Operational	Sterile Insect Technique Production	Government	Ongoing	NSW Department of Primary Industries	NSW
South Australia's contributions to sterile fruit fly production in New South Wales/Western Australia	\$3,590,900	Operational	Sterile Insect Technique Production	Government	2005-2006	Primary Industries and Resources South Australia	NSW/WA
Sterile Mediterranean fruit fly production for use in Medfly eradication in South Australia and area wide control in Western Australia.	\$3,543,000	Operational	Sterile Insect Technique Production	Government	Ongoing	WA Department of Agriculture & Food	WA
Australian Capital Territory fruit fly surveillance program	\$5,150	Operational	Surveillance	Government	Ongoing	ACT Department of Territory & Municipal Services	ACT

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Exotic fruit fly trapping - NSW - OCPPO funded	\$725,233	Operational	Surveillance	Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry, Office of the Chief Plant Protection Officer	NSW
Exotic fruit fly trapping - NT - OCPPO funded	\$127,483	Operational	Surveillance	Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry, Office of the Chief Plant Protection Officer	NT
Exotic fruit fly trapping - QLD - OCPPO funded	\$864,483	Operational	Surveillance	Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry, Office of the Chief Plant Protection Officer	QLD

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Exotic fruit fly trapping - Torres Strait - OCPPO funded	\$337,490	Operational	Surveillance	Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry, Office of the Chief Plant Protection Officer	Torres Strait
Long-term containment strategy for exotic fruit flies in Torres Strait	\$864,500	Operational	Surveillance	Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry, Office of the Chief Plant Protection Officer	Torres Strait
Exotic fruit fly trapping - VIC - OCPPO funded	\$202,189	Operational	Surveillance	Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry, Office of the Chief Plant Protection Officer	VIC

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Exotic fruit fly trapping -WA - OCPPO funded	\$506,983	Operational	Surveillance	Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry, Office of the Chief Plant Protection Officer	WA
Victoria fruit fly surveillance program	\$6,572,780	Operational	Surveillance	Government	Ongoing	Department of Primary Industries Victoria	VIC
New South Wales monitoring and identification of fruit flies in the Fruit Fly Exclusion Zone (FFEZ)	\$1,500,000	Operational	Surveillance	Government	Ongoing	NSW Department of Primary Industries	NSW
Long term control strategy for exotic fruit flies in Torres Strait	\$24,000	Operational	Surveillance	Government	Ongoing	NT Department of Primary Industry, Fisheries & Mines	NT
Quarantine surveillance - early detection of exotic species in the Northern Territory	\$56,300	Operational	Surveillance	Government	Ongoing	NT Department of Primary Industry, Fisheries & Mines	NT

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Quarantine surveillance, early detection in all Northern Territory horticultural production areas	\$532,000	Operational	Surveillance	Government	Ongoing	NT Department of Primary Industry, Fisheries & Mines	NT
Responses to surveillance detections in the Northern Territory	\$407,000	Operational	Surveillance	Government	Ongoing	NT Department of Primary Industry, Fisheries & Mines	NT
South Australia fruit fly surveillance program	\$5,217,074	Operational	Surveillance	Government	Ongoing	Primary Industries and Resources South Australia	SA
Queensland biosecurity surveillance for fruit flies	\$336,600	Operational	Surveillance	Government	2005-2007	QLD Department of Primary Industries & Fisheries	QLD
Tasmania fruit fly surveillance program	\$8,438,378	Operational	Surveillance	Government	Ongoing	TAS Department of Primary Industries and Water	TAS
Early warning surveillance for Qfly in Western Australia	\$1,792,400	Operational	Surveillance	Government and industry	Ongoing	WA Department of Agriculture & Food	WA
Ord River Irrigation Area surveillance	\$417,200	Operational	Surveillance	Government and industry	Ongoing	WA Department of Agriculture & Food	WA

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Port of entry surveillance Western Australia	\$534,700	Operational	Surveillance	Government	Ongoing	WA Department of Agriculture & Food	WA
Hazard Site Surveillance	\$41,500	Operational	Surveillance	Government	2006-2008	WA Department of Agriculture & Food	WA
Australian Quarantine and Inspection Service, Northern Australia Quarantine Strategy, early detection of exotic fruit flies in northern Australia and the early detection and response to exotic fruit flies in far north Queensland and the Torres Strait	\$4,420,874	Operational	Surveillance and response	Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry	NT, far north QLD, Torres Strait and Kimberley Region of WA
South Australia management and administration support for fruit fly activities	\$1,379,070	Regulatory	Management and administration	Government	Ongoing	Primary Industries and Resources South Australia	SA
Biosecurity Australia export activities	\$251,546	Regulatory	Market access	Government	Ongoing	Biosecurity Australia	Australia
Biosecurity Australia import activities	\$338,818	Regulatory	Market access	Government	Ongoing	Biosecurity Australia	Australia
Biosecurity Australia market maintenance activities	\$508,226	Regulatory	Market access	Government	Ongoing	Biosecurity Australia	Australia

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Victoria fruit fly market access program	\$2,834,046	Regulatory	Market access	Government	Ongoing	Department of Primary Industries Victoria	VIC
New South Wales regulation - to maintain the pest free status of the Fruit Fly Exclusion Zone (FFEZ)	\$250,000	Regulatory	Market access	Government	Ongoing	NSW Department of Primary Industries	NSW
Northern Territory market access - procedural arrangements and research	\$817,000	Regulatory	Market access	Government	Ongoing	NT Department of Primary Industry, Fisheries & Mines	NT
Policy and technical support for international market access development in Queensland	\$200,000	Regulatory	Market access	Government	Ongoing	QLD Department of Primary Industries & Fisheries	QLD
Australian Quarantine and Inspection Service, Plant Programs, fruit fly related activities	\$22,831,718	Regulatory		Government and industry	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry	Australia
Improved compliance of regulatory programs with state and national standards, using fruit fly as an example, by DPI Victoria	\$405,000	Regulatory		Government	2007-2008	Department of Primary Industries Victoria	VIC

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South Australia state border protection	\$7,209,385	Regulatory		Government	2005-2006	Primary Industries and Resources South Australia	SA
South Australia's contribution to AQIS for handlers and detector dogs at Adelaide airport	\$250,000	Regulatory		Government	Ongoing	Primary Industries and Resources South Australia	SA
Department of Agriculture and Food, Western Australia border biosecurity & regulatory activities	\$4,500,000	Regulatory		Government	Ongoing	WA Department of Agriculture & Food	WA
Behaviour difference and pest status of Qfly	\$14,500	Research & development	Biology & ecology	Australia Pacific Science Foundation	2004 - 2006	Fruit Fly Research Centre, University of Sydney	NSW
Ecology and host use of <i>Diachasmimorpha krausii</i>	\$122,000	Research & development	Biology & ecology	Australian Centre for International Agricultural Research (ACIAR) and University	2005-2008	Queensland University of Technology	QLD
Landscape level habitat use by PNG and Australian fruit flies	\$122,000	Research & development	Biology & ecology	Australian Centre for International Agricultural Research and University	2005-2008	Queensland University of Technology	QLD

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Miscellaneous small projects conducted at the Queensland University of Technology	\$1,000	Research & development	Biology & ecology	University	Ongoing	Queensland University of Technology	QLD
Overwintering behaviour of <i>Bactrocera tryoni</i> in its native range	\$102,000	Research & development	Biology & ecology	University	2005-2008	Queensland University of Technology	QLD
Guidelines on diagnosis, surveillance and response for fruit fly pests	\$51,465	Research & development	Capacity building	AusAid APEC Support Program	2003-2004	Australian Government Department of Agriculture, Fisheries and Forestry, Office of the Chief Plant Protection Officer	Indonesia, Philippines, Vietnam, Thailand
Fruit fly workshops conducted by Horticulture Australia Limited	\$70,000	Research & development	Capacity building	Government and Industry	2005-2007	Horticulture Australia Limited	Australia
A survey of fruit flies in Bhutan and a field control program for <i>Bactrocera minax</i> (Enderlein) (the Chinese citrus fly)	\$29,999	Research & development	Capacity building	Australian Centre for International Agricultural Research	2003-2004	International Centre for the Management of Pest Fruit Flies, Griffith University	Bhutan
Managing pest fruit flies to enhance quarantine services and upgrade fruit and vegetable production in Indonesia	\$4,735,417	Research & development	Capacity building	Australian Centre for International Agricultural Research and International	2004-2009	International Centre for the Management of Pest Fruit Flies, Griffith University	Indonesia

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Training workshop on fruit flies of Indonesia: their identification and pest status	\$0	Research & development	Capacity building	AusAid	2005-2006	International Centre for the Management of Pest Fruit Flies, Griffith University	Indonesia
Training and advanced diagnostics and surveillance for fruit fly for SPS	\$94,870	Research & development	Capacity building	AusAid	2004-2005	International Centre for the Management of Pest Fruit Flies, Griffith University	Indonesia, Thailand, Vietnam, Cambodia & Laos
Establishment of an International Centre for the Management of Pest Fruit Flies (ICMPFF)	\$0	Research & development	Capacity building	University and international	Project (timeframe unknown)	International Centre for the Management of Pest Fruit Flies, Griffith University	Malaysia & other ASEAN nations
Training in fruit fly diagnostics for Myanmar entomologists	\$20,000	Research & development	Capacity building	Government	2003-2004	International Centre for the Management of Pest Fruit Flies, Griffith University	Myanmar
Managing pest fruit flies to increase production of fruit and vegetable crops in Vietnam	\$701,710	Research & development	Capacity building	Australian Centre for International Agricultural Research and Univeristy and International	2005-2008	International Centre for the Management of Pest Fruit Flies, Griffith University	Vietnam

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Field control of pest fruit flies in Vietnam	\$0	Research & development	Capacity building	University and international	Project (timeframe unknown)	International Centre for the Management of Pest Fruit Flies, Griffith University	Vietnam
Fruit fly management in Papua New Guinea	\$699,015	Research & development	Capacity building	Australian Centre for International Agricultural Research and International	2006-2009	NSW Department of Primary Industries	New Guinea
Towards developing a male-only Queensland fruit fly strain	\$78,182	Research & development	Control	Government and industry	2003-2005	Fruit Fly Research Centre, University of Sydney	NSW
Laboratory and field studies into the integration of various pest management techniques for the control of Qfly	\$15,091	Research & development	Control	Government and industry	1998-2004	NSW Department of Primary Industries	NSW
Development of non-foliar bait spot treatments for fruit fly control	\$78,051	Research & development	Control	Government and industry	2003-2005	QLD Department of Primary Industries & Fisheries	QLD
Heliothis and fruit fly integrated pest management strategies for tomato, vegetable and melon crops	\$10,000	Research & development	Control	Government and industry	1999-2004	QLD Department of Primary Industries & Fisheries	QLD

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Improved protein bait formulations for fruit fly control	\$10,000	Research & development	Control	Government and industry	2000-2003	QLD Department of Primary Industries & Fisheries	QLD
Disruption of sex pheromone biosynthesis: a novel control method for pestiferous fruit flies	\$240,000	Research & development	Control	Australian Research Council	2003-2006	University of Queensland	QLD
Integration of morphological data into the fruit fly lucid key	\$7,398	Research & development	Diagnostics	Government	2004-2005	NSW Department of Primary Industries	NSW
Draft molecular diagnostic standard for fruit flies of economic significance to Australia	\$49,775	Research & development	Diagnostics	Government	2004-2005	NSW Department of Primary Industries	NSW
Fruit fly pollination of <i>Bulbophyllum baileyi</i> and the development of new fruit fly lures	\$201,291	Research & development	Lures	The Australia & Pacific Science Foundation and Universities	2002-2008	Queensland University of Technology	QLD
Dimethoate/Fenthion field data generation	\$66,000	Research & development	Market access	Industry	2006-2007	AKC Consulting	NSW
Interstate trade/quarantine and market access for avocados	\$244,560	Research & development	Market access	Government and industry	Ongoing	Avocados Australia	Australia

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Establishment of area freedom acceptance for Riverland South Australia	\$2,000	Research & development	Market access	Government and industry	2002-2004	Citrus Growers of South Australia	SA
Department of Agriculture, Fisheries and Forestry contribution to verification trials for citrus temperature x time treatments for Japan	\$454,545	Research & development	Market access	Government	2006-2007	Department of Agriculture & Food, Western Australia	Western Australia
Improving sterile insect technique to control fruit fly for citrus market access	\$108,767	Research & development	Market access	Industry	2006-2009	Fruit Fly Research Centre, University of Sydney	NSW
Monitoring developments in disinfestation techniques	\$20,000	Research & development	Market access	Government and industry	2005-2006	Horticulture Australia Limited	Australia
Coordination of market access for horticulture products (ongoing)	\$60,000	Research & development	Market access	Government and industry	2003-2007	Horticulture Australia Limited	Australia
Fruit fly market access R&D plan	\$1,651,924	Research & development	Market access	Government and industry	2006-2008	Horticulture Australia Limited	Australia
Generation of dimethoate and fenthion residue samples to maintain market access	\$174,000	Research & development	Market access	Government and industry	2006-2008	Horticulture Australia Limited	Australia

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Project Definition - Improving Market Access R&D for the Australian Horticultural Industries	\$2,477,835	Research & development	Market access	Industry	2006-2011	Horticulture Australia Limited	NSW
Market Access Projects	\$16,000	Research & development	Market access	Industry	2006-2007	Horticulture Australia Limited	VIC
Optimal irradiation procedures for sterilisation of Q-fly Macquarie University	\$140,000	Research & development	Market access	Industry	2006-2009	Macquarie University	NSW
Department of Agriculture, Fisheries and Forestry funded project: cold treatment of cherries against Qfly for access to Taiwan	\$104,397	Research & development	Market access	Government	2005-2007	NSW Department of Primary Industries	Gosford, NSW
Assessment of an alternative 'non-chemical' summerfruit disinfestation procedure	\$94,790	Research & development	Market access	Industry	2006-2008	NSW Department of Primary Industries	NSW
Maximising the sterile insect technique capability to enhance market access for Australian citrus	\$242,740	Research & development	Market access	Industry	2006-2010	NSW Department of Primary Industries	NSW

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Department of Agriculture, Fisheries and Forestry funded project: cold treatment of stonefruit against Qfly for access to Taiwan	\$127,382	Research & development	Market access	Government	6/06 to 8/08	NSW Department of Primary Industries	NSW
Accessing export markets utilising high carbon dioxide pre-treatment and cold disinfestation	\$111,058	Research & development	Market access	Government and industry	2006-2008	NSW Department of Primary Industries	NSW
Area wide management of fruit fly - Narromine NSW	\$20,985	Research & development	Market access	Government and industry	2003-2006	NSW Department of Primary Industries	NSW
Area wide management of fruit fly - Orange NSW	\$9,716	Research & development	Market access	Government and industry	2003-2006	NSW Department of Primary Industries	NSW
Area wide management of fruit fly - Young NSW	\$23,867	Research & development	Market access	Government and industry	2003-2006	NSW Department of Primary Industries	NSW
Alternative fruit fly control and market access for capsicums and tomatoes	\$256,376	Research & development	Market access	Industry	2006-2009	QLD Department of Primary Industries & Fisheries	QLD
Alternative fruit fly management for market access for apples	\$390,425	Research & development	Market access	Industry	2006-2008	QLD Department of Primary Industries & Fisheries	QLD

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Alternative fruit fly treatment for interstate market access for strawberries	\$305,936	Research & development	Market access	Industry	2006-2009	QLD Department of Primary Industries & Fisheries	QLD
Area wide management of fruit fly -Central Burnett	\$1,072,727	Research & development	Market access	Government and industry	2003-2007	QLD Department of Primary Industries & Fisheries	QLD
Exclusion canopy netting of fruit crops for economically and environmentally sustainable production and non chemical interstate/export market access protocols	\$4,000	Research & development	Market access	Government and industry	2000-2003	QLD Department of Primary Industries & Fisheries	QLD
Development of a non-chemical treatment system for avocado against Queensland fruit fly for interstate trade	\$82,560	Research & development	Market access	Government and industry	2002-2005	QLD Department of Primary Industries & Fisheries	QLD
Heat disinfestation of capsicums for export to New Zealand and interstate	\$121,120	Research & development	Market access	Government and industry	2004-2006	QLD Department of Primary Industries & Fisheries	QLD
Heat disinfestation of vegetables for market access to interstate and New Zealand markets	\$10,000	Research & development	Market access	Government and industry	1999-2004	QLD Department of Primary Industries & Fisheries	QLD

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Modified atmosphere and vapour heat fruit fly treatment for mangoes	\$19,670	Research & development	Market access	Government and industry	2005-2006	QLD Department of Primary Industries & Fisheries	QLD
Evaluation of methyl salicylate as an insect repellent in packaging	\$15,325	Research & development	Market access	Government and industry	2002-2004	QLD Department of Primary Industries & Fisheries	QLD
Emerging market access issues – <i>Bactrocera jarvisi</i>	\$35,000	Research & development	Market access	Government	2005-2007	QLD Department of Primary Industries & Fisheries	QLD
Coordination of market access for horticulture products (through the Horticulture Market Access Strategic Plan).	\$70,455	Research & development	Market access	Government and industry	2003-2007	Stephen Winter & Associates Pty Ltd	Australia
Product and market specific disinfestation packages for increased market access - proposed projects to be funded by the Australian Government via HAL and industry	\$3,650,903	Research & development	Market access	Government and industry	2006-2009	Various	Australia
Funded by industry: verification trials for citrus temperature x time treatments for Japan (2)	\$997,447	Research & development	Market access	Industry	2006-2007	WA Department of Agriculture & Food	WA
Cold disinfestation of grapefruit for export to Japan	\$180,000	Research & development	Market access	Government and industry	2006-2007	WA Department of Agriculture & Food	WA

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New approaches to disinfestation of citrus against Mediterranean fruit fly	\$44,622	Research & development	Market access	Government and industry	2000-2006	WA Department of Agriculture & Food	WA
Impact of fruit fly on plant fitness	\$68,000	Research & development	Plant health	Government and University	2003-2005	Queensland University of Technology	QLD
Improvement of Qfly sterile insect technique strain	\$171,000	Research & development	Sterile Insect Technique	Australian Research Council, Government and Industry	2006-2009	Fruit Fly Research Centre, University of Sydney	NSW
Molecular Technology for biological control of the most destructive horticultural pest in Australia	\$337,200	Research & development	Sterile Insect Technique	Australian Research Council, Government and Industry	2006 - 2009	Fruit Fly Research Centre, University of Sydney	Tristate
Regulation and use of sperm supplies by female Q-flies	\$20,000	Research & development	Sterile Insect Technique	Student scholarship	2005-2006	Macquarie University	NSW
Adult Nutrition of Q-fly	\$182,000	Research & development	Sterile Insect Technique	Student scholarship	2003-2007	Macquarie University	NSW
Field cage methods for Q-fly	\$85,000	Research & development	Sterile Insect Technique	University	2003-2004	Macquarie University	NSW
Remating inhibition in female Q-flies	\$254,000	Research & development	Sterile Insect Technique	University	2004-2008	Macquarie University	NSW

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The role of male calling and courtship songs as cues used in mating decisions by female Queensland fruit flies	\$45,000	Research & development	Sterile Insect Technique	Australia & Pacific Science Foundation	2003-2006	Macquarie University	NSW
Remating inhibition in female Queensland fruit flies	\$9,000	Research & development	Sterile Insect Technique	University	2004-2005	Macquarie University	NSW
Proportion of fertilizations achieved by first and second males to mate with a Q-fly female	\$9,000	Research & development	Sterile Insect Technique	University	2005-2006	Macquarie University	NSW
Developing the sterile insect technique for eradication of incursions of Mediterranean fruit fly in Australia	\$30,000	Research & development	Sterile Insect Technique	Government and industry	2001-2005	South Australian Research and Development Institute	SA
Improving the sterile insect technique for Queensland fruit fly control	\$108,000	Research & development	Sterile Insect Technique	Government and industry	2005-2008	South Australian Research and Development Institute	SA
Use of microsatellite tracking to determine the source of Qfly outbreaks in the Fruit Fly Exclusion Zone (FFEZ)	\$70,000	Research & development	Surveillance	Government and Industry	2002-2004	Fruit Fly Research Centre, University of Sydney	Tristate

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Enhancing surveillance capability and horticultural exports with improved long term female fruit fly trapping systems	\$276,492	Research & development	Surveillance	Industry	2006-2009	NSW Department of Primary Industries	NSW
Comparative efficacy of two fruit fly lure delivery systems in Paton traps	\$10,000	Research & development	Surveillance	Government	2005-2006	QLD Department of Primary Industries & Fisheries	QLD
Taxonomy of regional fruit fly parasitoids	\$75,000	Research & development	Taxonomy	University	2004-2007	Queensland University of Technology	QLD
Fruit fly pests in northwestern Australia: invasion, hybridisation or evolution?	\$194,000	Research & development		ARC, Government, Industry	2002- 2005	Fruit Fly Research Centre, University of Sydney	NSW
Northern Territory fruit fly research	\$28,000	Research & development		Government	2005-2006	NT Department of Primary Industry, Fisheries & Mines	NT
National Fruit Fly Strategy and Priorities Project	\$194,871	Various	All	Government and industry	2006-2007	Plant Health Australia	Australia

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19 January 2007
\$0 = no budget supplied.

FINAL
Australian fruit fly activities stocktake 1 July 2003 to 30 June 2008
Total value \$128,689,069

Project/activity title	Total budget 1 July 2003 to 30 June 2008	FF strategy code	Stocktake Sub-code	Funding Source/s coded	Timeframe	Organisation	Location
Office of the Chief Plant Protection Officer fruit fly related activities	\$480,713	Various	Emergency response, policy, surveillance & research and development	Government	Ongoing	Australian Government Department of Agriculture, Fisheries and Forestry, Office of the Chief Plant Protection Officer	Australia
Industry Biosecurity Plan – Tropical Fruit Industry	\$42,932	Various		Government and Industry	2005-2008	Plant Health Australia	Australia