

# Cherry

2015/16  
Annual Report

16

Horticulture  
Innovation  
Australia

# Content

Executive summary 1 Strategic Investment Advisory Panel 2 Marketing report 3  
R&D project list 2015/16 6 R&D report 9 Financial summary 15 Minor use permits 17



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## Executive summary

During 2015/16 Horticulture Innovation Australia (Hort Innovation) was focused on investing the cherry levy and Australian Government contributions into R&D and marketing projects to improve growers' productivity and profitability and ensure long-term sustainability of the industry.



1

More than \$742,000 was invested by Hort Innovation into a range of R&D projects. These were designed to improve production techniques, build links across industry stakeholders to facilitate information sharing, reduce the impact of pests and diseases, and develop export markets. They also aimed to ensure the latest information and R&D work was effectively communicated to industry.

Many projects were focused on improving on-farm efficiencies and pest and disease control. These included investigating if soil microbiology can be used to maximise uptake of nutrients, providing information on preferred rootstock combinations to create a competitive advantage for Australian growers, and examination of the management of pre-harvest rot in sweet cherries. Other projects looked at ways to reduce the impact of late season rainfall, and evaluated the sugar flotation method for testing cherries for Queensland fruit fly.

Initiatives to ensure timely and effective communication to growers and industry stakeholders included the use and evaluation of channels such as magazines, mail outs, workshops, industry websites and promotion of communications with state organisations.

Another project helped to ensure the development of markets for Australian cherries remained a priority of the industry.

In terms of marketing, almost \$90,000 was invested in a number of innovative campaigns and strategies to promote increased cherry consumption both domestically and overseas. This included involvement in a number of events across the nation where consumers were given the chance to taste cherries and to see them integrated into a diverse selection of foods. In-store promotions also helped to incentivise consumers to make impulse purchases of cherries.

Overseas marketing efforts included strategic attendance at international events in Hong Kong, China and Dubai to promote Australian cherries and to gather international industry knowledge.

# Strategic Investment Advisory Panel

Hort Innovation has established Strategic Investment Advisory Panels (SIAPs) to provide advice to help ensure R&D and marketing investment decisions are balanced and prioritised by the current needs of each horticulture levy industry.

2

## About industry SIAPs

The key function of Hort Innovation's levy-industry SIAPs is to provide transparent and robust advice on potential investment opportunities, helping to guide the way industry levies and Australian Government contributions are put to use. Each SIAP has clearly defined objectives associated with the provision of this strategic investment advice, and is guided by the priorities set out in the Strategic Investment Plan for each levy industry.

During the 2015/16 financial period, 18 SIAPs were formed, with others appointed in the 2016/17 period.

Each industry SIAP is made up of panellists from that industry – most of whom are levy-paying growers – with appointments made based on skills criteria and considering geographic and sectoral diversity.

Each SIAP also has a chair, as listed on the industry grower pages of Hort Innovation's website. The chair appointments selected by the Hort Innovation Board reflect a broad range of horticulture and agriculture experience, as well as solid foundations in former chairing roles.

## Cherry SIAP panellists

Name	Organisation	Location
Andrew Smith	Smiths Fruit	VIC
Michael Rouget	Koala Country Orchards	VIC
Steve Chapman	Chappies	VIC
Tom Eastlake	Eastlake's Family Tree	NSW
Fiona Hall	Caernarvon Cherry Co. & Bonny Glen Fruits	NSW
Anthony Hannaford	Torren Valley Orchards	SA
Nic Hansen	Cherries Tasmania Orchard	TAS
Lucy Gregg	Reid Fruits	TAS
Michael Batinich	E.B Batinich & Co	NSW



## Panel meetings

Summary notes from each SIAP meeting will continue to be available on the cherry grower page on Hort Innovation's website, at [www.horticulture.com.au/grower-focus/cherry](http://www.horticulture.com.au/grower-focus/cherry). Below is a brief overview of the industry's inaugural SIAP meeting.

### July 18-19, 2016

Held in the 2016/17 period in Melbourne, Victoria, this meeting provided an induction into the objectives, governance and scope of operation of the panel, as well as an overview of the Hort Innovation funding model, innovation process and procurement framework.

There was a presentation on the requirements for the development of the industry's Strategic Investment Plan, including the need for broad industry input from across Australia.

New R&D concepts were also discussed, including biosecurity, codling moth, Queensland fruit fly, methyl bromide, irradiation, market access, post-harvest management, and standardising protocols to improve fruit firmness and delay maturity.

A discussion on trade and marketing included the Australia Fresh market development program (involving international trade events such as Asia Fruit Logistica, China Fruit and Vegetable Fair and World of Perishables in Dubai), Now in Season international marketing activities and domestic state-based promotions.

# Marketing report

Hort Innovation's 2015/16 marketing program for the cherry industry included a combination of export and domestic activities. There was a clear focus on developing export markets and overseas demand for Australian produce, while domestically a forecasted increase in supply led to pre-emptive campaigns to remind local consumers cherries were in season.

## Domestic campaigns

In a bid to drive up consumption, domestic consumers were encouraged to enjoy cherries at special times with a new campaign theme of 'Cherish the moment'.

This was communicated through point-of-sale kits for independent grocers, which included posters, bunting and branded cherry bags. These kits were distributed around the country and were supported by media and public relations events in each state.

Examples of these state activities included:

- » **Circulation of the *Tasmanian Fruits Farm Gate Guide* in Tasmania.** This guide highlights fruit growers across Tasmania who sell fresh fruit at their shed door and/or offer 'pick your own' experiences, as well as farmers' markets and, increasingly, value adders. The guide is an essential tool for developing the farm gate and farmers' market trade to move the excess of smaller-sized fruit as well as value-added products.

The guide is a part of The Heart Foundation's Healthy Food Access project, as part of a three-year partnership.

There were 30,000 hard copies circulated across the state to tourism access points such as airports, Spirit of Tasmania I and II, regional tourism centres and community houses. A number were mailed interstate to reach impending visitors, with the guide a key component of the harvest trail, drawing people into regional communities over the harvest season.

Of the growers listed in the 2015/16 guide, 65 per cent were cherry growers.

- » **Prahran Market Cherry Festival in Victoria.** Prahran Market partnered with the Victorian Cherry Association to host the inaugural Prahran Market Cherry Festival and welcome the 2015 Victorian cherry season.

Activities include the Taste the Cherry Trail (where visitors enjoyed seven different cherry-themed food and beverage offerings), cherry refreshments, cherry cooking shows, competitions, activities for children, the opportunity to purchase farm fresh cherries (by the cup, bag or box), plus special cherry themed items.



3

4



Cherry industry levy fund

5



- » **Manjimup Cherry Harmony Festival in Western Australia**, which saw growers and locals come together in a celebration of the area's produce and the people behind it.
- » **The South Australian Cherry Map**. In its 10th year, this map highlights where consumers can visit 25 of Adelaide's cherry farms, including shed door and 'pick your own' destinations.

In-store domestic activities for the industry included cherry tastings in Western Australian IGA stores and cherry competitions throughout Queensland. The latter activity was designed to incentivise consumers to make an impulse purchase of cherries while in store, with an entry form only being provided to customers who made a cherry purchase. The competition offered three \$500 cash prizes and attracted a total of 11,333 entrants.

A social and digital campaign across Facebook, Instagram and web also supported the promotion.

Other domestic activity for the cherry industry included the creation and distribution of press releases and the supply of fresh product to media outlets and influencers.

### Market access activity

Australian cherries have access to markets in a number of countries including Hong Kong, Singapore, Malaysia, Indonesia, Vietnam and the United Arab Emirates.

An investment into three key tradeshow events was decided to grow awareness, build demand and educate on the product qualities and attributes of Australian cherries. These events included:

- » Asia Fruit Logistica, held in Hong Kong
- » China Fruit and Vegetable Fair, held in Beijing
- » World of Perishables, held in Dubai.

# R&D project list 2015/16

6

## PROJECTS CONTRACTED

MT15032	Monitoring and evaluation framework for the industry Strategic Investment Plan
MT15028	Continuation of pilot systems to validate Pest Free Place of Production for Queensland fruit fly in the Yarra Valley

## PROJECTS IN PROGRESS

CY12002	Improving fruit quality and consistency in cherries through maximised nutrient availability
CY12023	National cherry development program
CY12024	Australian cherry evaluation utilising precocious rootstocks
CY13001	Optimal management of pre-harvest rot in sweet cherry
MT12001	SPLAT Cue-Lure based management of Queensland fruit fly

MT13059	SITplus: Developing and optimising production of a male-only, temperature-sensitive-lethal strain of Qfly, <i>B. tryoni</i>
MT14006	Export – Import Market Intelligence Project 2014 – 2016

## FINAL REPORTS ISSUED

CY11026	Maintenance and ongoing development of communications across the Australian cherry industry
CY12007	Export development for Australian cherries
CY14009	Evaluating the sugar flotation method for testing cherries for Queensland fruit fly (Qfly)
MT14057	Statistical review and re-design of the National Bee Pest Surveillance Program
MT15025	Linking market development projects to the Hort Innovation horticulture trade development strategy

7



Fruit growing as part of a calcium trial in Reducing the impact of late season rainfall (CY12000)

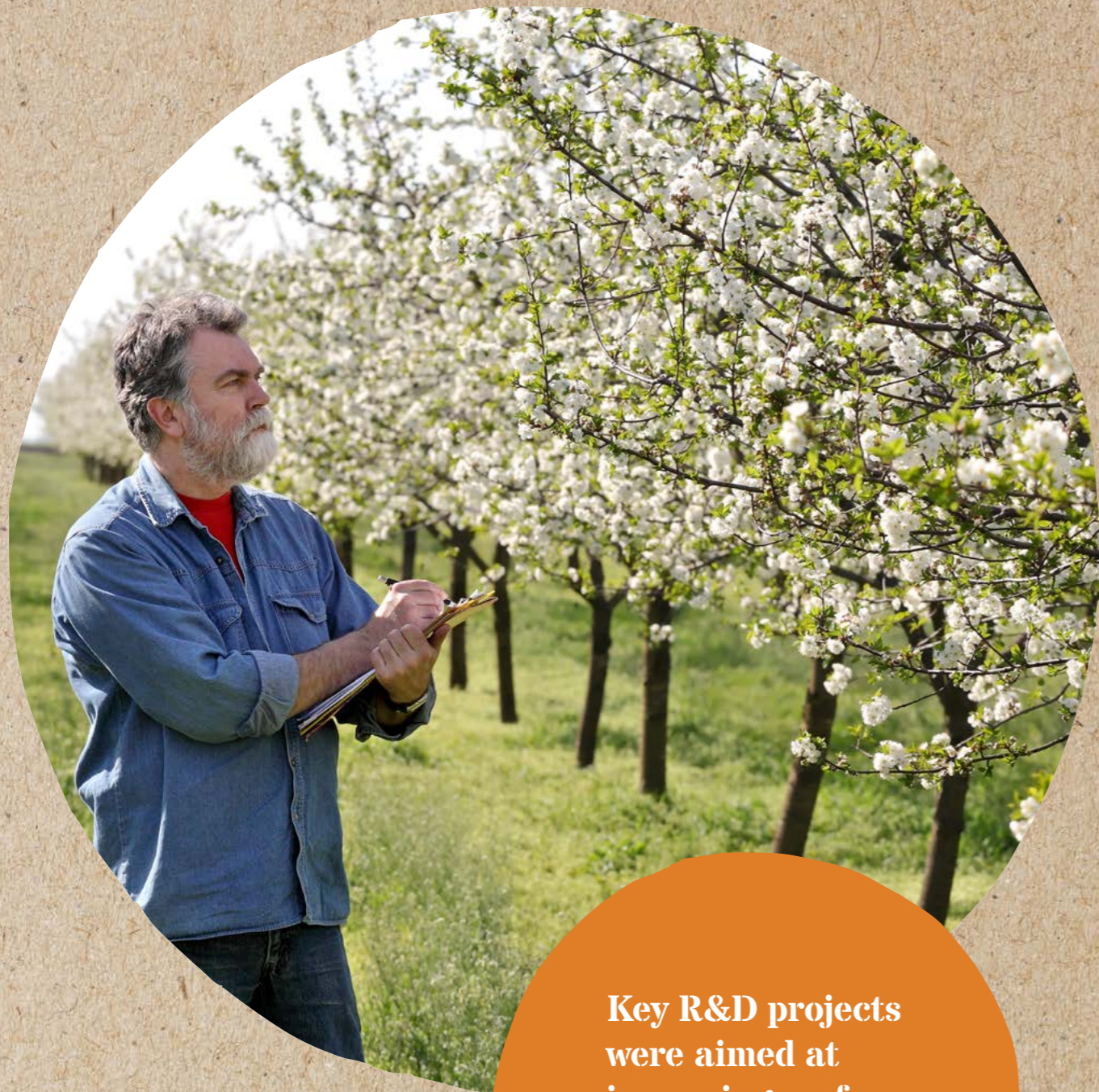
## VC PROJECTS CARRIED OVER FROM HORTICULTURE AUSTRALIA LIMITED

CY12000	Reducing the impact of late season rainfall
CY12010	Comparing the performance of new cherry rootstocks soon to be available to industry
MT11013	Export market maintenance and development for Tasmanian fruit
MT12025	Continued facilitation of the development of the Tasmanian apple, pear, cherry and stone fruit industries
MT12028	OHMA operational support 2012 to 2015*
MT12049	A model for industry planning and preparedness for an incursion of Varroa mite

MT13002	Protecting pollination for the Australian horticultural industry – stage 3
MT13031	Establishment of systems to validate Pest Free Place of Production for Queensland fruit fly in the Yarra Valley
MT14027	Horticultural market access manager 2014-2015
MT14055	Driving collaboration in Australian horticultural research

During the 2015/16 financial year, all Australian levy paying horticulture industries also contributed to across-industry projects addressing issues that affect horticulture as a whole.

\* As well as being funded by multiple levy programs, this project involved funding from Hort Innovation's across-industry contribution stream.



Key R&D projects were aimed at improving on-farm efficiencies, and pest and disease control

## R&D report

Take a closer look at some of Hort Innovation's key projects for the cherry industry below. To keep up to date with the latest information on new and ongoing R&D for the industry, visit [www.horticulture.com.au/grower-focus/cherry](http://www.horticulture.com.au/grower-focus/cherry), and keep an eye out for Hort Innovation's quarterly Hortlink publication, also available from the website.

### Improving fruit quality and consistency in cherries through maximised nutrient availability (CY12002)

Beginning in 2012, this five-year Tasmanian project is investigating whether soil microbiology can be utilised to maximise the availability and uptake of plant nutrients – essentially improving soil health to in turn boost crop yields and fruit quality.

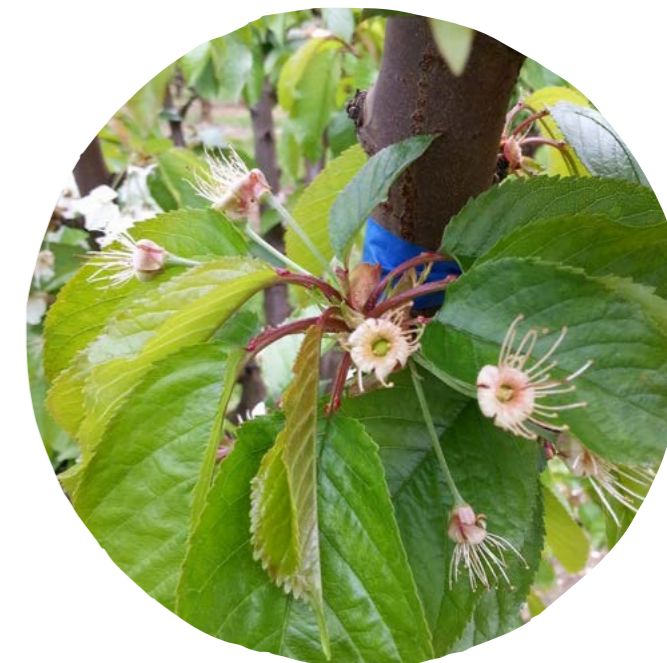
### Optimal management of pre-harvest rot in sweet cherry (CY13001)

Due for completion in the 2016/17 period, this project has a number of key aims around knowledge and management of pre-harvest rot in sweet cherries. These include:

- » To clarify the key pathogens involved in pre-harvest rot, to ensure management is targeted at the right pathogens
- » To determine infection pathways for these pathogens, to ensure management is targeted at the right time
- » To develop a weather-based tool for growers that can be used to gauge infection risk of certain pathogens
- » To develop a monitoring protocol in which pre-harvest rot incidence can be used to gauge rot risk at harvest.

### Monitoring and evaluation framework for the industry Strategic Investment Plan (MT15032)

Among other things, this project helps support the monitoring and evaluation of individual industry Strategic Investment Plans (SIPs). SIPs are the roadmaps that help ensure levy investment decisions align with individual industry priorities. They are used to guide decision-making in levy spending, and represent a balanced view of stakeholders in each industry.



Monitoring the rate of change from flower to fruit, as part of *Reducing the impact of late season rainfall* (CY12000)

### National cherry development program (CY12023)

As the cherry industry expands and develops, industry members increasingly call for good information on technical production and up-to-date market intelligence.

The program aims to encourage uptake of levy-funded R&D outcomes, engage researchers with regional issues and grower-collaborators, and build collaborative links between state associations, agencies and private providers.

It delivers stakeholder communication and education through an annual roadshow program.

Annual events include site visits to cherry blocks to view and specifically discuss demonstrations of research outcomes put into practice.

Roadshow reports are published in the Cherry Growers Association (CGA) national newsletter and roadshow presentations are available on the CGA website, [www.cherrygrowers.org.au](http://www.cherrygrowers.org.au).

## Australian cherry evaluation utilising precocious rootstocks (CY12024)

This project is examining the most promising rootstocks currently available to the Australian cherry industry. It will provide new, well-adapted varieties and information on preferred rootstock combinations to increase profitability and a competitive advantage for Australian growers. It is due for completion during 2018.

## Maintenance and ongoing development of communications across the Australian cherry industry (CY11026)

Effective communication among cherry growers and stakeholders is vital for the industry to meet future challenges and opportunities.

The aim of this project was to maintain and build on progress made with the project *Developing communications, engagement & capacity across the Australian cherry industry* (CY11018). Its activities included:

- » Publication of the quarterly industry magazine *Australian Cherries*
- » Regular mail outs of relevant information as required by post and electronically to Cherry Growers Australia (CGA) members
- » Delivery of information to growers and other industry stakeholders, through close liaison with state associations and a series of workshops across the growing regions
- » Maintenance and development of the industry website
- » Collection and evaluation of feedback from stakeholders to gain a better understanding of which communication mediums were most effective, plus evaluation of emerging and future communication technologies
- » Promoting strong communications with state associations to bolster export focus among growers and state associations.

The project also worked closely with retailers and wholesalers, government agencies, research organisations and other horticultural bodies.

Activities also included communications extension for domestic cherry production and export development projects, including the Industry Export Plan; Biosecurity Management Program and Framework; and Cherry Export Guide manual.

In the 2016/17 period, the new *Cherry communications program* (CY15002) was commenced to carry on strong communication with cherry growers and other industry stakeholders.

## SPLAT Cue-Lure based management of Queensland fruit fly (MT12001)

This project aimed to investigate the efficacy of a type of pheromone technology to assist in controlling Queensland fruit fly (Qfly) and to help protect domestic and international fruit markets.

Early results from this project found that the Specialised Pheromone Lure Application Technology (SPLAT) approach is as effective as current controls in managing Qfly and worth further investigation.

This form of control has appeal as it has a reduced-risk insecticide that poses a lower risk to humans and the environment and does not require labour-intensive handling and placement.

## SITplus: Developing and optimising production of a male-only, temperature-sensitive-lethal strain of Qfly, *B. tryoni* (MT13059)

The aim of this project is to develop a 'temperature-sensitive-lethal, male-selecting' strain of Queensland fruit fly (Qfly). To put simply, it will allow for male-only, sterile fruit flies to be bred in large numbers. It is one of the key projects in the broader strategic co-investment SITplus initiative that is tackling the issue of Qfly.

The male flies are to ultimately be released in growing regions of south-eastern Australian that are affected by Qfly. They will come to outnumber the wild male population in these areas and by mating with wild females – and limiting the opportunity for wild males to do so – they are intended to lead to the collapse of wild Qfly populations.

## Statistical review and re-design of the National Bee Pest Surveillance Program (MT14057)

This project reviewed the effectiveness and efficiency of the National Bee Pest Surveillance Program (NBPSP) to identify opportunities for improvement in the early detection of high priority pests to safeguard bee health and pollination services in Australia.

Australia's honey bee industry and pollination-reliant industries maintain a production advantage over many other countries, as Australia is currently free of many bee pests and pest bees that cause significant issues overseas.

This project has proposed and costed a re-design of the NBPSP that includes enhancing surveillance activities (including surveillance for Asian honey bees, Asian hornets and exotic viruses that are considered high-priority biosecurity threats), establishing an array of sentinel hives across Australian ports, and more to maintain a strong and nationally appropriate NBPSP for the future.

## Export development for Australian cherries (CY12007)

This project followed on from *Developing and maintaining market access for Australian cherries* (CY11017) to continue market access and development for the industry.

Australia's cherry exports increased from about 1200 tonnes worth \$25 million per annum in 2011/12 to an estimated 5600 tonnes worth \$77 million in 2015/16 and are forecast to grow another 5000 to 6000 tonnes to eclipse a value of \$150 million by 2020. Growth of the industry has made it imperative to improve commercial opportunities in regulated and unregulated export markets. Currently, cherry exports reach about 30 of an identified 70 potential markets.

Work within this project included input to an updated cherry export manual and integrated pest and disease management calendar, development of a Biosecurity Management Program and Framework, representation of the Australian industry at international trade fairs and other key events, and investigation of future grower study tours to export markets.

Work was carried out with the Department of Agriculture and Water Resources on a feasibility study into an export registration system for Australian growers. This was set up for the 2015/16 season and planned for the 2016/17 season.

The project provided strategic direction for the industry to increase exports by 40 to 50 per cent in the period 2017-2020, improve airfreight access to all importing markets, ensure there are commercially viable protocols in place, and provide tools for market negotiations.

This project also resulted in the development of the *Australian Cherry Export Plan* (June 2016), which focuses on accessing and growing key cherry markets.

## Evaluating the sugar flotation method for testing cherries for Queensland fruit fly (Qfly) (CY14009)

This project demonstrated the success of a testing technique that is able to detect the presence of the main fruit fly species affecting Australian cherries.

The Queensland fruit fly (*Bactrocera tryoni*), or Qfly, and Mediterranean fruit fly (*Ceratitidis capitata*), or Medfly, can cause considerable damage to cherry fruit and potentially restrict access to some export markets.

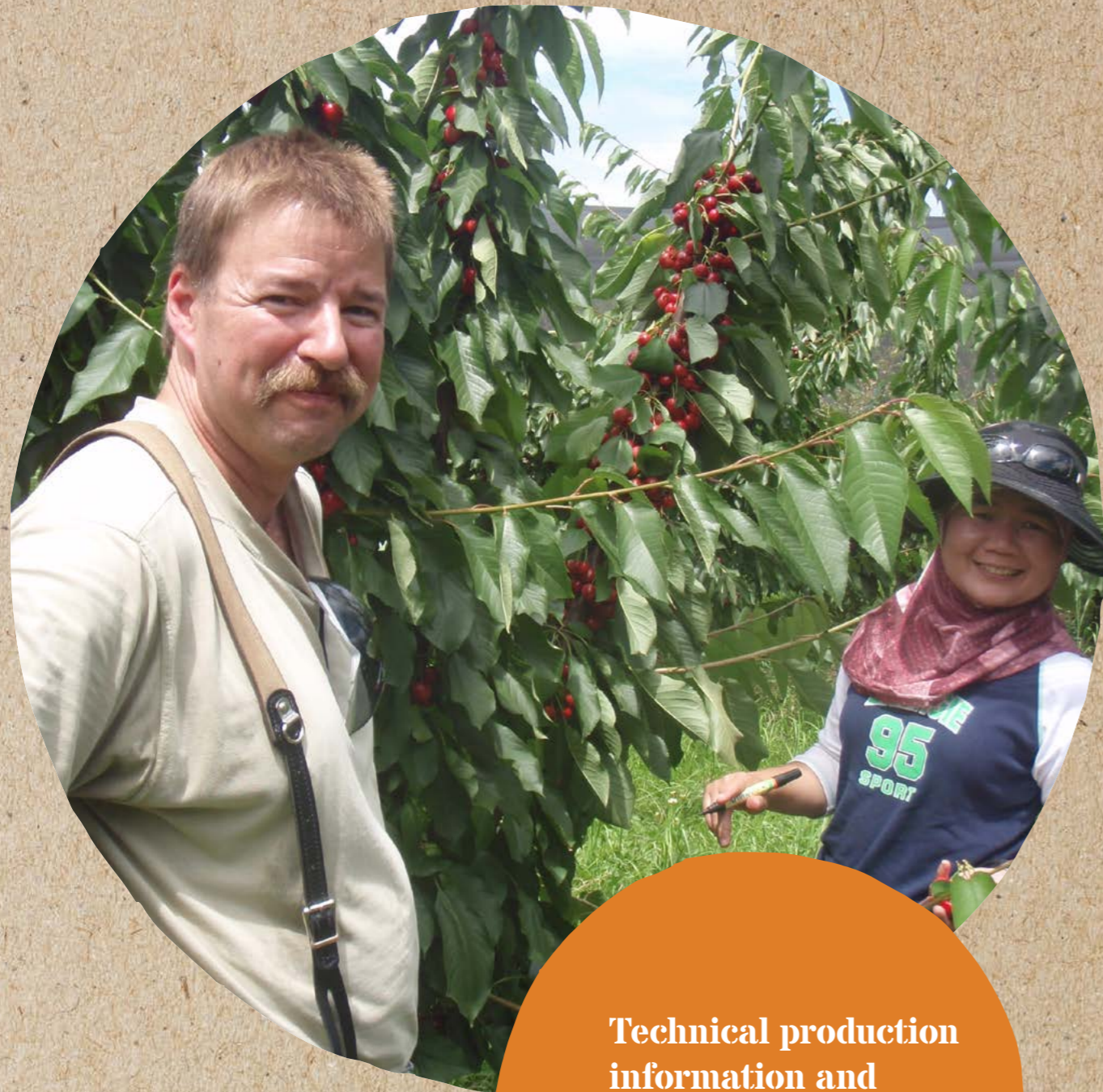
Qfly is the main quarantine pest fruit fly species found in the south eastern region of Australia and Medfly mainly affects the western region.

Recent restrictions on insecticide use and increasing market demand for 'freedom from pest' status meant an improved systems approach for control protocols for fruit fly was required.

This necessitated quick and robust tests for validating the risks of Qfly and Medfly infestation along the supply chain for a range of fruits, including cherries, before they reach target markets.

The research found the brown sugar flotation (BSF) test was more accurate when used with the machine fruit crushing system, rather than hand crushing of fruit.





**Technical production information and up-to-date market intelligence is vital to growers**

### Reducing the impact of late season rainfall (CY12000)

The aim of this project was to investigate strategies to reduce cherry crop damage from late season rainfall and lift fruit quality.

Late season rainfall can affect quality traits and induce fracturing of the cherry skin, known as 'cracking'. The project generated important results regarding cherry cracking that are directly applicable to current orchard practice.

This included providing information upon which to base risk management decisions in seasons with late season rainfall and information with which to improve fruit integrity, and consequently fruit quality.

The project showed there are effective tactics that can be used as part of current year-round orchard management practices to help build-up fruit resilience before a rainfall event.

These included building resilience in fruit early in the season through irrigation, nutrition and crop load management which help maintain fruit cuticular and skin integrity and strength.

The project found it was important to maintain irrigation to reduce excessive shrinking and filling of fruit during development and avoid trees getting water stressed leading up to a rainfall event. However it also showed there were no practical options for reducing or preventing rapid and excess water uptake by fruit and cracking of skin after rainfall events.

This project resulted in the cherry industry taking a more holistic, year-round approach to managing fruit cracking, rather than a reactive approach when wet weather hits crops late in the season.



Side cracking in fruit, investigated in *Reducing the impact of late season rainfall (CY12000)*

### Export market maintenance and development for Tasmanian fruit (MT11013)

This project supported export market development and maintenance for Tasmanian fruit growers, in particular the cherry and apple industry, from 2012 to 2015.

This work followed on from *Market access development for Tasmanian fruit (MT08029)* and was aligned with *Continued facilitation of the development of the Tasmanian apple, pear, cherry and stone fruit industries (MT12025)* project.

A key outcome of the project was achieving market access for cherries into China in 2012/13 that proved fundamental to the Tasmanian fruit industry's growth. The project was also instrumental in connecting growers directly with export marketers/markets through trade shows, as well as managing export registration and training for small to medium growers. It also involved working with government to develop a holistic approach to export audits and assisting with the importing country inspector program.

### Continued facilitation of the development of the Tasmanian apple, pear, cherry & stone fruit industries (MT12025)

This project aimed to maintain and improve communication with Tasmanian apple, pear, cherry and stone fruit growers and other industry stakeholders with a view to facilitating growth, particularly in exports. The project provided key industry development services to growers to facilitate export development, market access and international competitiveness.

The Fruit Growers Tasmania (FGT) project officer employed as part of this project was the first point of contact for growers and packhouses with export-related enquiries and initiated an 'export information, compliance and training day' for more than 70 growers and industry stakeholders in August 2015. The project officer was the industry liaison point between growers, the Department of Agriculture (now the Department of Agriculture and Water Resources) and Biosecurity Tasmania.

This project also undertook a skills needs analysis for the Tasmanian fruit industry as part of an Agrifood Skills Australia survey. This assisted industry in identifying skills gaps that could restrict the growth of the sector. As a direct result, FGT began working with tertiary providers to ensure production horticulture training programs were again available, alongside other industry-relevant upskilling and capacity building programs.





Site preparation for root pruning trials as part of *Reducing the impact of late season rainfall (CY12000)*

### Establishment of systems to validate Pest Free Place of Production for Queensland fruit fly in the Yarra Valley (MT13031)

This two-year project developed a Pest Free Place of Production (PFP) program in the Yarra Valley, enabling growers to consign produce to Queensland fruit fly (Qfly) sensitive markets without the need for treatment.

Due to changes to the management of Qfly in Victoria, cherry, rubus and strawberry growers in the Yarra Valley were required to treat fruit under an approved treatment protocol to access the South Australian (SA), Western Australian (WA) and Tasmanian markets.

Domestic recognition of the region's PFP status was achieved in year one of the project. By the second year (2014/2015) significant amounts of cherries (60 tonnes), raspberries (10 tonnes), blackberries (24 tonnes), strawberries (14 tonnes) and cherry tomatoes (10 tonnes) were marketed into SA and WA.

Qfly was not detected in permanent Qfly traps throughout the duration of the project, however the incidence of the pest across much of northern Victoria has risen dramatically with large numbers of flies regularly being detected north of the Great Dividing Range.

Based on the escalating Qfly risk the project committee were working on redesigning this project to focus on risk management and robust management options for Yarra Valley growers rather than PFP.

### A model for industry planning and preparedness for an incursion of Varroa mite (MT12049)

This project tested the preparedness of Australia's pollination-dependent industries for Varroa mite through a national review and simulation workshop.

Varroa mite is an external parasitic mite that, without intervention including treatment programs and ongoing management, has the ability to kill entire honey bee colonies in two to three years. Australia is the last major honey-producing country in the world to not have Varroa.

This project identified the potential and significant impact the detection of Varroa mite would have on pollination-dependent crop producers.

It also assessed and highlighted improvements to biosecurity planning and preparedness that would allow growers, industry stakeholders and governments to identify gaps and opportunities, and ensure continued growth and stability in the event of Varroa mite in Australia.

Full details of all completed research can be found in project final reports, which are available to order at [www.horticulture.com.au/about/resources-publications-final-reports](http://www.horticulture.com.au/about/resources-publications-final-reports) (final reports are free to Australian horticulture levy payers, registered Hort Innovation members and industry representative bodies).

# Financial summary

## Financial operating statement 2015/16

	MARKETING (\$)	R&D (\$)	TOTAL (\$)
	2015/16 July – June	2015/16 July – June	2015/16 July – June
<b>Opening balance</b>	<b>347,732</b>	<b>125,134</b>	<b>472,866</b>
Levies from growers (net of collection costs)	444,986	592,781	1,037,767
Commonwealth funds	-	392,850	392,850
Other income	11,386	4,328	15,714
<b>Total income</b>	<b>456,372</b>	<b>989,959</b>	<b>1,446,331</b>
Project funding	90,359	688,912	779,271
Consultation with and advice from growers	914	13,124	14,038
Service delivery	9,317	85,641	94,958
<b>Total matched expenditure</b>	<b>100,590</b>	<b>787,677</b>	<b>888,267</b>
Levy contribution to across industry activity	-	17,424	17,424
<b>Closing balance</b>	<b>703,514</b>	<b>309,992</b>	<b>1,013,506</b>
Levy collection costs	24,075	27,943	52,018
<b>Additional expenditure through VC</b>	<b>-</b>	<b>40,415</b>	<b>40,415</b>





**Market access and development work has led to an increase in Australian cherry exports**

## Minor use permits

Pesticides are a valuable tool for the cherry industry. While the use of pesticides is being modified through the increasing uptake of integrated pest management, there is still a need for the strategic use of specific pesticides.

Pesticide companies submit use patterns for registration to the Australian Pesticides and Veterinary Medicines Authority (APVMA) and the cherry industry is generally provided with significant registrations because of its major crop status. Minor use permits are required in the cherry industry where the market size is considered too small and therefore not considered large enough to generate adequate commercial returns for the research and development investment by the pesticide companies.

**Below is a list of all current minor use permits for the cherry industry, as of November 28, 2016.**

Permit ID	Permit description (pesticide/crop/pest)	Date issued	Expiry date	Permit holder
PER80542	Trichlorfon / Cherries / Fruit Flies	1-Apr-15	31-Mar-20	Growcom
PER11002 v2	Indoxacarb (Avatar) / Cherries / European earwig	14-May-09	31-Mar-20	Growcom
PER12709 v2	Pristine (boscalid + pyraclostrobin) / Cherry / Brown Rot & Botrytis	04-Jun-13	30-Jun-17	Growcom
PER13131	Regent (fipronil) / Cherries / European earwig	21-Nov-11	30-Mar-20	Fruit Growers Tas
PER12590 v3*	Delegate (spinetoram) / Pomefruit & Stonefruit / Fruit fly (Suppression only)	06-Oct-11	31-May-19	Growcom
PER12907 v3*	Maldison / Stonefruit / Fruit Fly	06-Oct-11	31-May-21	Growcom
PER80247	Diazinon / Sweet Cherries / Black cherry aphid	15-Dec-14	31-Oct-17	Growcom
PER13859	Dimethoate / Orchard cleanup – fruit fly host crops following harvest / Fruit Fly	9-Feb-15	31-Jul-24	Growcom
PER82062*	Bifenthrin / Cherries / Carpophilus beetle	19-Nov-15	31-Oct-18	Cherry Growers Australia (CGA)

\* During the 2015/16 financial year, Hort Innovation prepared and submitted to the APVMA renewals or applications for these flagged permits.

*All efforts have been made to provide the most current, complete and accurate information on these permits, however it's recommended that you confirm all details on the APVMA website, [portal.apvma.gov.au/permits](http://portal.apvma.gov.au/permits). Details of the conditions of use associated with these permits can also be found on the APVMA site.*

### Minor use R&D projects active in the 2015/16 period

CY14011	Minor use permits for the cherry industry
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