



# Olive Fund

Annual Report 2018/19

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**The projects in this report have been funded by Hort Innovation using sources including the olive levy, Australian Government contributions and, in some instances, co-contributions from a variety of sources.**

# Just some of the things your fund delivered in 2018/19:

- ✓ **The industry communications and extension program**, delivering *Grove Innovation* newsletters, editions of *R&D Insights*, best practice workshops, field days and more (p7)
- ✓ **Work to educate health professionals** with science-based information on olive products, via the Olive Wellness Institute (p9)
- ✓ **The development of education resources** for the food service industry (p8)
- ✓ **Work to extend OliveCare**, the olive industry's code of practice (p7)
- ✓ **The integrated pest and disease management program** working to support growers in tackling black scale, olive lace bug and anthracnose (p9)
- ✓ **New final research reports and grower resources**, with several now available from [www.horticulture.com.au/olive](http://www.horticulture.com.au/olive)

## 2018/19 SNAPSHOT

**\$843**  
**THOUSAND**

INVESTED  
IN R&D

**20+**

ACTIVE R&D  
INVESTMENTS

## Welcome

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Hort Innovation is the grower-owned, not-for-profit research and development corporation (RDC) for Australia's horticulture sector. It's our job to work with industry to invest the olive R&D levy, together with Australian Government contributions, into key initiatives for growers.

The 2018/19 financial year was another great year of growing better, together – with strong investments, closer connections and critical collaborations being forged.

There was close to \$843,000 invested into R&D through the Hort Innovation Olive Fund across the year, to support the industry in being as productive and profitable as possible. This included the establishment of seven new investments, including work allowing the olive industry to join forces with other horticulture industries for maximum efficiency and impact across shared issues and opportunities.

Read on to learn more about all of the projects undertaken. And remember to take advantage of the Hort Innovation website at [www.horticulture.com.au/olive](http://www.horticulture.com.au/olive), where you can search and find information relating to investments, past and present, at any time. The new site and its Olive Fund section were launched in 2018/19.

During the year there were also many opportunities for Hort Innovation to connect with you, the growers. A big thank you in particular to everyone who came to our early-2019 regional roadshows to feed into the development of the new Hort Innovation Strategy 2019-2023 (read more at [www.horticulture.com.au/strategy-2019-2023](http://www.horticulture.com.au/strategy-2019-2023)).

You can reach out to us at any time to learn more about our work, to submit ideas for investments, or to simply have a chat about your industry. You'll find details of specific staff at [www.horticulture.com.au/get-in-touch](http://www.horticulture.com.au/get-in-touch), or can otherwise email [communications@horticulture.com.au](mailto:communications@horticulture.com.au) or call our general line on 02 8295 2300.



## Additional value in the year

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During 2018/19, Hort Innovation was proud to deliver extra value to the olive industry, outside of levy-funded initiatives within the Olive Fund. Here's a quick look at just some examples.

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### The new Hort Innovation website, with dedicated Olive Fund section

You can now visit [www.horticulture.com.au/olive](http://www.horticulture.com.au/olive) to quickly search and find olive investment information and updates, project resources, and growing tips and advice from Hort Innovation's R&D work. You can also download full final research reports direct from the site, access key contact information, share your ideas and feedback, and so much more.

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### The Australian Horticulture Statistics Handbook

Each year Hort Innovation delivers an *Australian Horticulture Statistics Handbook* packed with horticulture statistical information and analysis for use by specific industries and the wider sector. The handbook combines all available data on production, international trade, processing volumes and fresh market distribution for some 75 categories. The 2017/18 edition, released in early 2019, is available from [www.horticulture.com.au/horticulture-statistics-handbook](http://www.horticulture.com.au/horticulture-statistics-handbook).

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### Hort Frontiers projects

With seven investment areas, Hort Innovation's Hort Frontiers strategic partnership initiative is about collaborative, cross-industry work to address longer-term, complex issues and opportunities identified as critical for the future of Australian horticulture. While industry levies can be invested into Hort Frontiers projects upon the advice of the relevant Strategic Investment Advisory Panels, the bulk of funding comes from broad-reaching funding relationships that are secured by Hort Innovation, plus support from the Australian Government. Learn about all of the projects and what they're delivering for you at [www.horticulture.com.au/hort-frontiers](http://www.horticulture.com.au/hort-frontiers).

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### Grant funding

In 2018/19, Hort Innovation delivered \$6.7 million worth of investments involving grant funding across the horticulture sector. To do so, we applied for and secured a range of competitive grants on behalf of industry, including through the Australian Government's Rural R&D for Profit program, Improved Access to AgVet Chemicals initiative, and Agricultural Competitiveness White Paper. With projects across everything from biosecurity to agri-technology, there's plenty in there to directly and indirectly benefit the olive industry.

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## Making investments in 2018/19

Hort Innovation is dedicated to making the right investments at the right time and in the right areas, in line with identified priorities for the industry.

### Where the funding comes from

The olive industry's grower-raised statutory R&D levy is collected by the Australian Government and entrusted to Hort Innovation as the RDC for Australian horticulture. It's then our responsibility to work with the industry to invest the levy, together with Australian Government contributions, into strategic initiatives for the benefit of growers.

Additional funding streams can also come into play, such as co-investment dollars from sources including project partners, and grant funding that Hort Innovation secures on behalf of industry.

### How decisions are made

Investment decisions in the Hort Innovation Olive Fund are guided by the industry's Strategic Investment Plan (SIP). This document was developed through close consultation with growers and other industry stakeholders, and outlines specific investment priorities, strategies and themes. An at-a-glance version can be found at [www.bit.ly/olive-plan](http://www.bit.ly/olive-plan), or find the full version at [www.horticulture.com.au/olive](http://www.horticulture.com.au/olive).

The SIP is currently used like a 'roadmap' by the olive Strategic Investment Advisory Panel (SIAP) – a panel made up of growers and other industry representatives that's tasked with providing advice to Hort Innovation on potential levy investments.

### Turning ideas into investments

Great investments start with great ideas, and Hort Innovation encourages all growers and other industry participants to share their thoughts and suggestions for the work they want to see. Ideas can be submitted any time via Hort Innovation's investment idea form at [www.bit.ly/concept-form](http://www.bit.ly/concept-form).

Ideas that are selected for investment are worked into project proposals by Hort Innovation. These are then made public for potential delivery partners to submit responses. Current opportunities are always listed at [www.horticulture.com.au/delivery-partners](http://www.horticulture.com.au/delivery-partners).

Responses are assessed, often with the assistance of industry, and the best delivery partner for the work is chosen. A contract is then issued and the work begins.

### Keeping track of investments

All investments in the Hort Innovation Olive Fund are detailed on the 'Your investments' page at [www.horticulture.com.au/olive](http://www.horticulture.com.au/olive). We also send news and alerts to Hort Innovation members and contacts – if you haven't already, you can sign up for free at [www.horticulture.com.au/sign-up](http://www.horticulture.com.au/sign-up).

Importantly, the industry's levy-funded communications and extension program is tasked with providing growers with regular information on levy-related activity. See p7 for more.



### New investment analysis

You can now clearly see how investments in the Hort Innovation Olive Fund align to the industry's SIP, with new and interactive investment analysis information available from [www.bit.ly/olive-investment](http://www.bit.ly/olive-investment). The analysis currently shows the allocation of funding against each of the olive SIP outcomes from the start of the SIP (2016/17) to the end of 2018/19, and gives an indication of the projects that are aligned to each outcome.

## R&D project list 2018/19

NEW INVESTMENTS IN 2018/19	
OL17003	Australian olive industry sensory training
OL17006	Extending OliveCare to foster excellence in production of Australian olives
OL18000	Australian olive industry communications and extension program
MT17006	Xylella coordinator
MT17006	Improving preparedness of the Australian horticultural sector to the threat potentially posed by <i>Xylella fastidiosa</i> (a severe biosecurity risk)
MT18011	Ex-post impact assessment*
MT18018	Generation of data for pesticide permit applications in horticulture crops 2019/20

\* This multi-industry project was a key monitoring and evaluation investment during 2018/19 – we encourage you to find the full details at [www.horticulture.com.au/mt18011](http://www.horticulture.com.au/mt18011)



**But wait, there's more. To see what Hort Innovation delivered across the entire horticulture sector in 2018/19, download the full Hort Innovation Annual Report 2018/19 from [www.horticulture.com.au/annual-report-portal](http://www.horticulture.com.au/annual-report-portal).**

ONGOING INVESTMENTS IN 2018/19	
OL15002	International olive council committee
OL16000	Olive industry minor use program
OL16010	National olive industry conference and trade exhibition
OL17001	An integrated pest and disease management extension program for the olive industry
OL17002	Educating health professionals about Australian olive products
MT16010	Horticultural trade data 2017-19
MT17005	Improving the biosecurity preparedness of Australian horticulture for the exotic spotted wing drosophila ( <i>Drosophila suzukii</i> )
MT17012	Generation of residue data for permit applications
ST16006	Generation of residue, efficacy and crop safety data for pesticide applications in horticulture crops
ST16008	AgVet collaborative forum
ST17000	Generation of data for pesticide applications in horticulture crops 2018

INVESTMENTS COMPLETED IN 2018/19	
OL16001	Australian olive industry benchmarking program
OL16004	Olive oil food service
OL16006	Olive communications program
OL16011	Risk and crisis management planning for the olive industry
OL17005	Olive industry fruit, oil and water quality testing – phase 2

During the 2018/19 financial year, all levy paying horticulture industries also contributed to a small selection of across-industry projects addressing issues that affect horticulture as a whole. Details of all investments that Hort Innovation manages can be found at [www.horticulture.com.au](http://www.horticulture.com.au).

## R&D report

Take a closer look at some of the key investments in the Hort Innovation Olive Fund during 2018/19. Any resources from these and other levy-funded projects – such as fact sheets, guides and more – are published on your grower page at [www.horticulture.com.au/olive](http://www.horticulture.com.au/olive) as they become available.

### **Australian olive industry communications and extension program (OL18000)**

NEW IN 2018/19

**Key research provider:** Australian Olive Association

Beginning in October 2018 to carry on from the completed **Olive communications program (OL16006)**, this investment continues to promote world-best practice and the results of R&D in grove management and olive oil production to the Australian olive industry.

It is responsible for producing:

- » *Grove Innovation* monthly e-newsletters, which you can sign up for via the Australian Olive Association website ([www.australianolives.com.au](http://www.australianolives.com.au))
- » R&D lift-outs that are published in the *Olive Grower and Processor* magazine and also available digitally
- » YouTube video content for the olive industry
- » Updates on the OliveBiz website ([www.olivebiz.com.au](http://www.olivebiz.com.au))
- » Events including best practice workshops and field days, with details circulated in industry channels as they become available
- » Other resources as required.

### **Extending OliveCare to foster excellence in production of Australian olives (OL17006)**

NEW IN 2018/19

**Key research provider:** Australian Olive Association

Beginning in late 2018, this investment is tasked with supporting olive producer participation relating to the Australian Olive Industry Code of Practice (OliveCare) and expanding participation to more retailers, food service distributors and exporters. By extension, the project is helping build and maintain the quality of Australian olive products.

For more on OliveCare, visit the OliveCare section of [www.australianolives.com.au](http://www.australianolives.com.au).

### **Australian olive industry sensory training (OL17003)**

NEW IN 2018/19

**Key research provider:** NSW Department of Primary Industries

This investment is supporting a range of sensory training programs for different audiences in the olive industry. The goal is to ensure the industry is equipped with the necessary skills and knowledge for ongoing monitoring of the sensory attributes of both extra virgin olive oil and table olives, in agreement with industry specifications for quality.

The project's work includes training to support the knowledge of accredited sensory panellists and nationally accredited competition judges relating to the International Olive Council and American Oil Chemists' Society, as well as workshops to encourage new entrants and educate beginners on how to actively fit the quality, flavour and presentation of oils and olives to match evolving and increasing market demands.

### **Australian olive industry benchmarking program (OL16001)**

NOW COMPLETE

**Key research provider:** RMCG

This project, which wrapped up in late 2018, was tasked with delivering industry benchmarking information around olive productivity, quality and profitability. The goal was to assist new and experienced growers in assessing the performance of their businesses against the wider industry, and to help in identifying areas for action and improvement.

Those who participated in the project's data collection were provided with confidential individual reports, while the aggregated and de-identified results and benchmarks are available to all industry in the final research report, available for download at [www.bit.ly/ol16001](http://www.bit.ly/ol16001).

Insights about the current state of the industry included that many Australian olive businesses are small scale and do face some challenges, which are expressed in the variability of on-farm input/operating costs, yield performance, and income per hectare observed in the data.

Continued >>



While the information should be taken in the context of the entire benchmarking report (and noting all its relevant disclaimers), some of the key benchmarks the project suggested are outlined below.

- » **Production scale benchmark target: greater than 80 hectares.** The project team noted that “scale magnifies profits and also losses, but spreads overheads to generate a low cost of production”. They reported that while smaller-scale outfits can achieve profit, to achieve machinery and labour efficiency, generally more than approximately 80 hectares is needed.
- » **Cost of production benchmark target: less than \$10,000 per hectare.** The cost of production per hectare, including finance and overheads, should be less than \$10,000 – which is the benchmark for income per hectare of olives. Costs include operating, interest and depreciation, plus the business owner’s labour.
- » **Productivity input benchmark target: anything above zero!** Yes, it may seem a bit obvious to aim for ‘more than zero’ but interestingly, the project surveys found many groves do not currently spend money in the areas of irrigation and drainage, fertiliser, and pest and disease management. “If any of these factors are limiting productivity, they could have a 10-fold return on investment and easily create profit,” the research team suggested.

## Olive oil food service (OL16004)

**NOW COMPLETE**

**Key research provider:** The Australian Nutrition Foundation, Victorian Division

The Olive Oil Food Service Program, which ran from 2017 to 2019 under this investment, aimed to increase awareness of Australian extra virgin olive oil (AEVOO) among trainee chefs within their learning environment such as TAFEs and culinary schools.

Following a literature review, some desktop research and interviews with key stakeholders, the team developed key messages that together would increase awareness of the benefits, attributes and properties of AEVOO and encourage its purchase and use.

Outreach materials, including fact sheets and videos, were developed and evaluated to measure change in knowledge among trainee chefs. The resources are suitable to be used by the industry for promotion of AEVOO too.

A webpage on the Australian Extra Virgin Olive Oil website was created specifically for chefs where the videos and fact sheets are now housed. This webpage, [www.australianextravirgin.com.au/chefs](http://www.australianextravirgin.com.au/chefs), is the central point for the rollout of communication strategies to the project’s secondary target audience of established chefs in the food service industry.

The project team took the campaign to TAFE colleges in Victoria and New South Wales to showcase the videos and worked to make the resources part of the Certificate III in Commercial Cookery.



Results from an evaluation of the work showed that overall, the project was successful in achieving its aim to increase awareness of the benefits, attributes and properties of AEVOO. There was a positive shift in trainee chefs’ confidence to use AEVOO in variety of different cooking methods. Teachers also found the resources to be informative and easy to implement in class and embed into their curriculum.

Full details can be found in the project’s final research report, which can be downloaded from [www.bit.ly/ol16004](http://www.bit.ly/ol16004), along with the wide range of project resources.

## Risk and crisis management planning for the olive industry (OL16011)

**NOW COMPLETE**

**Key research provider:** Biologic

This project was responsible for developing a comprehensive risk management and crisis preparedness and response plan for the Australian olive industry. The plan includes information and processes to ensure the industry is able to respond in an effective and responsible manner in the event of a crisis, such as environmental contamination, food safety concerns or supply chain issues.

The project team noted that the process of creating the plan also helped foster a proactive and preventative risk management approach, through the identification of potential risks to and in the industry, and the development of related management and mitigation strategies.

The industry had continued input into the plan and its risk register of issues, through industry workshops, online surveys and meetings.

## Olive industry fruit, oil and water quality testing – phase 2 (OL17005)

NOW COMPLETE

**Key research provider:** Modern Olives

This investment continued industry research into possible impurities in olive oil products. The researchers explored potential impurity entry points, from on-farm treatments of olive fruit, to the water used in spraying and the equipment and steps in the processing of fruit and oil. The work didn't find a clear single source of potential impurities, but pointed to the potential for accumulation of impurities across the entire growing to processing and packaging process (though the oils the project team sampled did not show impurities above acceptable levels). Recommendations for growers and processes from this work include:

- » Thoroughly clean and maintain systems supplying water to the plant
- » Analyse water sources to check they are free from potential impurities
- » Monitor levels in fruit throughout the growing season.

For more information on this research, olive growers and processors can contact Hort Innovation at [communications@horticulture.com.au](mailto:communications@horticulture.com.au).

## An integrated pest and disease management extension program for the olive industry (OL17001)

**Key research provider:** Western Sydney University

Beginning in late 2017, this program is tasked with giving Australian olive growers access to current, practical information and instruction for implementing integrated pest and disease management (IPDM) strategies in the grove. It has a focus on the sustainable management of three major pests and diseases for the industry: black scale, olive lace bug and anthracnose.

The program brings together a national network of experienced IPDM researchers and extension scientists, and industry representatives, and is delivering:

- » Face-to-face IPDM workshops and field days across growing areas with information specific to those areas
- » Online tutorials and self-assessments for growers
- » A best practice IPDM manual and fact sheets, plus other hard copy and digital information, including a revised *Pest and Disease Field Guide* for the industry
- » Training for industry consultants and pest scouts.

## Educating health professionals about Australian olive products (OL17002)

**Key research provider:** Boundary Bend Olives

This investment is responsible for disseminating evidence-based health information about olive products to an audience of Australian healthcare professionals and other health-interested professionals and consumers (such as fitness professionals and life coaches). The information is also available to students of health-related disciplines, researchers, olive growers and olive processors.

The information is being delivered through an expanded Olive Wellness Institute ([www.olivewellnessinstitute.org](http://www.olivewellnessinstitute.org), developed by Boundary Bend), and the goal is to equip the target audiences with the knowledge needed to be able to advise patients, clients and the wider public on including healthy olive products in their daily lives.

## National olive industry conference and trade exhibition (OL16010)

**Key research provider:** Australian Olive Association

Running from 2017 into 2019, this project facilitates the industry's National Olive Industry Conference & Trade Exhibition. This annual event is an opportunity for growers to come together to learn about the latest industry research, build networks and share information. The trade show component provides an opportunity for the exhibition of trade information and materials.

## International olive council committee (OL15002)

**Key research provider:** Modern Olives

This ongoing investment supports Australian olive industry attendance at biannual International Olive Council chemists' meetings. These meetings involve discussion on the technical analysis, grading and regulation of olive oil, among other things. Participation helps ensure the Australian olive industry is prepared for any changes to international regulations that may affect trade, and mean Australia's accredited laboratories that certify domestic products can continue achieving international accreditations.

## Xylella coordinator (MT17006)

NEW IN 2018/19

**Key research provider:** Wine Australia

*Xylella fastidiosa* is an exotic and potentially devastating bacteria that impedes the movement of rising sap in plants. While it hasn't yet appeared in Australia it has proven catastrophic overseas and, were it to enter the country, it could threaten more than 350 commercial, ornamental and native plant species.

Continued >>

This multi-industry and multi-sector investment supports the role and activities of a national coordinator as part of a three year program to improve Australia's readiness for any potential incursion of the disease. This is a joint initiative between Hort Innovation and Wine Australia, through the Plant Biosecurity Research Initiative (PBRI). The PBRI is a collaboration between Australia's seven plant-focused Rural RDCs, Plant Health Australia, the Department of Agriculture and other contributors, to coordinate plant biosecurity RD&E funding and efforts. You can learn more at [www.pbri.com.au](http://www.pbri.com.au).

### **Improving preparedness of the Australian horticultural sector to the threat potentially posed by *Xylella fastidiosa* (a severe biosecurity risk) (MT17006)**

NEW IN 2018/19

**Key research provider:** The Victorian Department of Jobs, Precincts and Regions

Adding to the PBRI's *Xylella* work as described above, this multi-industry investment will review and allow Australia to adopt world's best practice methods for detecting and identifying strains of the *Xylella fastidiosa* bacteria, should it come to our shores. As well as developing state-of-the-art diagnostic tools, technologies and protocols to screen plant material entering the country and to support active surveillance programs, it will provide associated training to technical staff in diagnostic laboratories.

The project's work will ultimately allow for quick and effective detection of what is considered to be the number one plant biosecurity threat to Australia and New Zealand, to facilitate a swift and sure response.

### **Improving the biosecurity preparedness of Australian horticulture for the exotic spotted wing drosophila (*Drosophila suzukii*) (MT17005)**

**Key research provider:** Plant Health Australia

This multi-industry investment is tasked with improving industry awareness of the risks posed by spotted wing drosophila, which attacks a range of soft-skinned fruit, and also with increasing the capacity to detect and respond to any incursions of the pest.

Activities include building knowledge and capacity around appropriate surveillance and management tools and strategies within the growing industries, government and among other relevant stakeholders. Looking at options for meeting domestic and international quarantine requirements are also among the project's activities.

### **Olive industry minor use program (OL16000)**

**Key research provider:** Hort Innovation

Through this project, levy funds and Australian Government contributions are used to submit renewals and applications for minor use permits for the olive industry as required. These submissions are prepared and submitted to the Australian Pesticides and Veterinary Medicines Authority (APVMA).

For more on minor use permits, including a list of permits, see p11.

All current minor use permits for the industry are searchable at [portal.apvma.gov.au/permits](http://portal.apvma.gov.au/permits). Permit updates are also circulated in Hort Innovation's *Growing Innovation* e-newsletter, which you can sign up for at [www.horticulture.com.au/sign-up](http://www.horticulture.com.au/sign-up).

### **Various data generation investments (MT17012, MT18018, ST16006 and ST17000)**

NEW IN 2018/19 (MT18018)

**Key research provider:** Peracto

The generation of pesticide residue, efficacy and crop safety data is required to support label registration and minor use permit applications made to the APVMA which, when approved, provide access to safe and effective chemicals for the management of pests, weeds and diseases.

The projects **Generation of residue data for permit applications 2017 (MT17012)**, **Generation of data for pesticide permit applications in horticulture crops 2019/20 (MT18018)**, **Generation of residue, efficacy and crop safety data for pesticide applications in horticulture crops 2017 (ST16006)** and **Generation of data for pesticide applications in horticulture crops 2018 (ST17000)** are all responsible for generating the data needed to support a range of registration and minor use applications across a variety of horticulture crops, including olives.

Work for the olive industry under ST160006 and ST17000 involves grant funding secured by Hort Innovation under the Australian Government's Access to Industry Uses of Agricultural and Veterinary (AgVet) Chemicals program.



**To keep up to date with the latest information on new, ongoing and recently completed R&D investments throughout the year – and to search and find resources and reports from these investments – visit [www.horticulture.com.au/olive](http://www.horticulture.com.au/olive).**

## Minor use permits

The Hort Innovation Olive Fund supports the submission of applications for new and renewed minor use permits for the industry, as well as data generation activities to support chemical permits and registrations, and strategic agrichemical reviews.

Together these efforts provide industry access to safe, relevant and effective chemicals for the management of pests, weeds and diseases.

For full details on these activities and links to relevant information, visit [www.bit.ly/minor-use-olive](http://www.bit.ly/minor-use-olive).

### Permits in 2018/19

During the 2018/19 financial year, successful renewals for PER81949 (issued as PER86677), PER13999 and PER14575 were prepared by Hort Innovation and submitted to the APVMA, facilitated through the *Olive industry minor use program* (OL16000).

A successful renewal for PER87800 was also obtained during this financial year, however the permit has since been surrendered as a result of the permit-to-label program, with the use of azoxystrobin now registered in olives (there are several registered labels that cover the permit use pattern).

Details for all current permits can be found in the following table.



## Current permits

Below is a list of minor use permits for the olive industry, current as of 19 September 2019.

PERMIT ID	DESCRIPTION	DATE ISSUED	EXPIRY DATE	PERMIT HOLDER
PER14414	Natrasoap insecticidal soap spray / Olives / Lace bug	04-Oct-13	30-Sep-23	Australian Olive Association (AOA) C/Hort Innovation
PER11360 Version 3	Copper / Olives / Fungal leaf spot and fruit rot	24-Mar-09	30-Nov-21	AOA C/Hort Innovation
PER13999 Version 6	Dimethoate / Olives (oil production only) / Olive lace bug, green vegetable bug and Rutherglen bug	19-Apr-13	31-Mar-21	Hort Innovation
PER85411 Version 2	Paraquat and diquat (Spray Seed) / Olives / Range of broadleaf and grass weeds (as per label)	01-Nov-17	30-Nov-22	AOA C/Hort Innovation
PER14575 Version 2	Chlorpyrifos (Lorsban) / Olives / Ants, African black beetle, light brown apple moth	23-Dec-13	31-Mar-22	Hort Innovation
PER14460 Version 2	Ethephon / Olives / Fruit loosening	01-Jun-14	30-Jun-22	AOA C/Hort Innovation
PER14791 Version 3	Alpha-cypermethrin / Olives / Curculio beetle, apple weevil and cutworms	06-May-14	30-Nov-21	AOA C/Hort Innovation
PER80718	Methyl bromide / Fruit and fruiting vegetables, food producing plants and ornamentals / Fruit fly, silverleaf whiteflies and thrips for biosecurity decontamination (all states)	12-Apr-15	31-Mar-25	Biosecurity SA
PER87332	Pyraclostrobin + metiram (Aero) / Olives / Anthracnose	01-Jul-19	31-Jul-24	Hort Innovation
PER13859	Dimethoate / Orchard clean-up – fruit fly host crops following harvest / Fruit fly	09-Feb-15	31-Jul-24	Growcom C/Hort Innovation
PER14897 Version 2	Clothianidin (Samurai) / Olives / Olive lace bug	04-Mar-15	31-Mar-23	AOA C/Hort Innovation
PER80751	Fluazifop-P (Fusilade Forte) / Olives / Grass weeds (Queensland only)	07-Aug-15	31-Jul-20	GOMVITA
PER86677	Esfenvalerate (Sumi-Alpha Flex insecticide) / Olives / Olive lace bug	21-Dec-18	31-Dec-23	Hort Innovation
PER81870 Version 2	Pyrethrins (Pyganic organic insecticide) / Olives / Olive lace bug	17-Dec-16	31-Oct-24	Hort Innovation

All efforts have been made to provide the most current, complete and accurate information on these permits, however you should always confirm all details on the APVMA website at [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 permit updates are circulated in Hort Innovation's e-newsletter, *Growing Innovation*. Don't yet receive it? Sign up for free at [www.horticulture.com.au/sign-up](http://www.horticulture.com.au/sign-up).**

## Financial statement

### Financial operating statement 2018/19

	R&D (\$)	TOTAL (\$)
	2018/19 July – June	2018/19 July – June
<b>OPENING BALANCE</b>	<b>371,448</b>	<b>371,448</b>
Levies from growers (net of collection costs)	133,528	133,528
Australian Government money	503,603	503,603
Other income*	3,998	3,998
<b>TOTAL INCOME</b>	<b>641,129</b>	<b>641,129</b>
Project funding	842,680	842,680
Consultation with and advice from growers	9,544	9,544
Service delivery – base	35,231	35,231
Service delivery – shared	59,000	59,000
Service delivery – fund specific	60,750	60,750
<b>TOTAL EXPENDITURE</b>	<b>1,007,206</b>	<b>1,007,206</b>
Levy contribution to across-industry activity	23,055	23,055
<b>CLOSING BALANCE</b>	<b>-17,684</b>	<b>-17,684</b>
Levy collection costs	37,333	37,333

\* Interest, royalties

A close-up photograph of an olive branch with several green olives. The background is a warm, golden bokeh, suggesting sunlight filtering through leaves. The text is overlaid on the bottom left of the image.

# **Connect with your levy!**

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