

Raspberry and Blackberry Fund

Annual Report 2019/20

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About Hort Innovation and the Raspberry and Blackberry Fund

Hort Innovation is the grower-owned, not-for-profit research and development corporation for Australia’s horticulture sector. We work closely with industry to invest the raspberry and blackberry R&D and marketing levies, together with Australian Government contributions, into key initiatives for growers, through the Hort Innovation Raspberry and Blackberry Fund. We’re extremely proud of the work we do to help drive productivity, profitability and demand for industry growers, and for the horticulture sector at large.

About the year

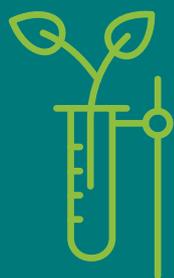
An intense and unpredictable year, 2019/20 certainly dealt challenges for the world, for Australian horticulture, and for Hort Innovation.

There was ongoing drought, a devastating bushfire season, intense floods, the biosecurity threat of fall armyworm and, of course, the global and ongoing COVID-19 pandemic.

We encourage you to download a copy of the overarching Hort Innovation Annual Report 2019/20 at www.horticulture.com.au/annual-report-portal to better understand Hort Innovation’s responses to these events, and how the company was able to change its plans and priorities to best serve the sector.

Through it all, though, activity in the Hort Innovation Raspberry and Blackberry Fund remained strong. There was some \$470,000 invested in R&D for the industry – up from \$391,00 last year, and involving several new projects. While no industry-specific marketing campaign was run in 2018/19, Hort Innovation launched The Good Mood Food initiative to promote Australian fruit, vegetables and nuts across the board. Read on for an overview of these activities.

2019/20 Raspberry and Blackberry Fund snapshot



\$470,000

invested in R&D



\$0

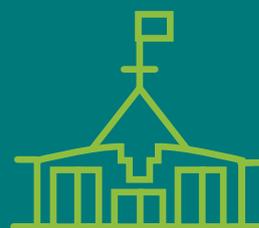
invested in marketing

see [p15](#) to learn more



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active R&D
investments



\$1.03M

in levies collected

by the government and passed
on to Hort Innovation for investment

Did you know?



31%

Raspberries are the fastest growing horticulture industry by volume, with production volume growing at an average annual rate of 30.9 per cent over the five years to 2018/19



85%

Of rubus crops grown in Australia, 85 per cent are raspberries and 14 per cent are blackberries, with the remainder being other varieties such as boysenberries



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Raspberry and blackberries are primarily grown across four key states: New South Wales, Tasmania, Victoria and Queensland

These facts and more can be found in the Australian Horticulture Statistics Handbook, which is delivered by Hort Innovation each year. The handbook is packed with horticulture statistical information and analysis for some 75 categories, for use by individual industries and the wider sector. The 2018/19 edition was released in early 2020 and, for the first time, features an interactive dashboard format for desktop users. See www.horticulture.com.au/horticulture-statistics-handbook.



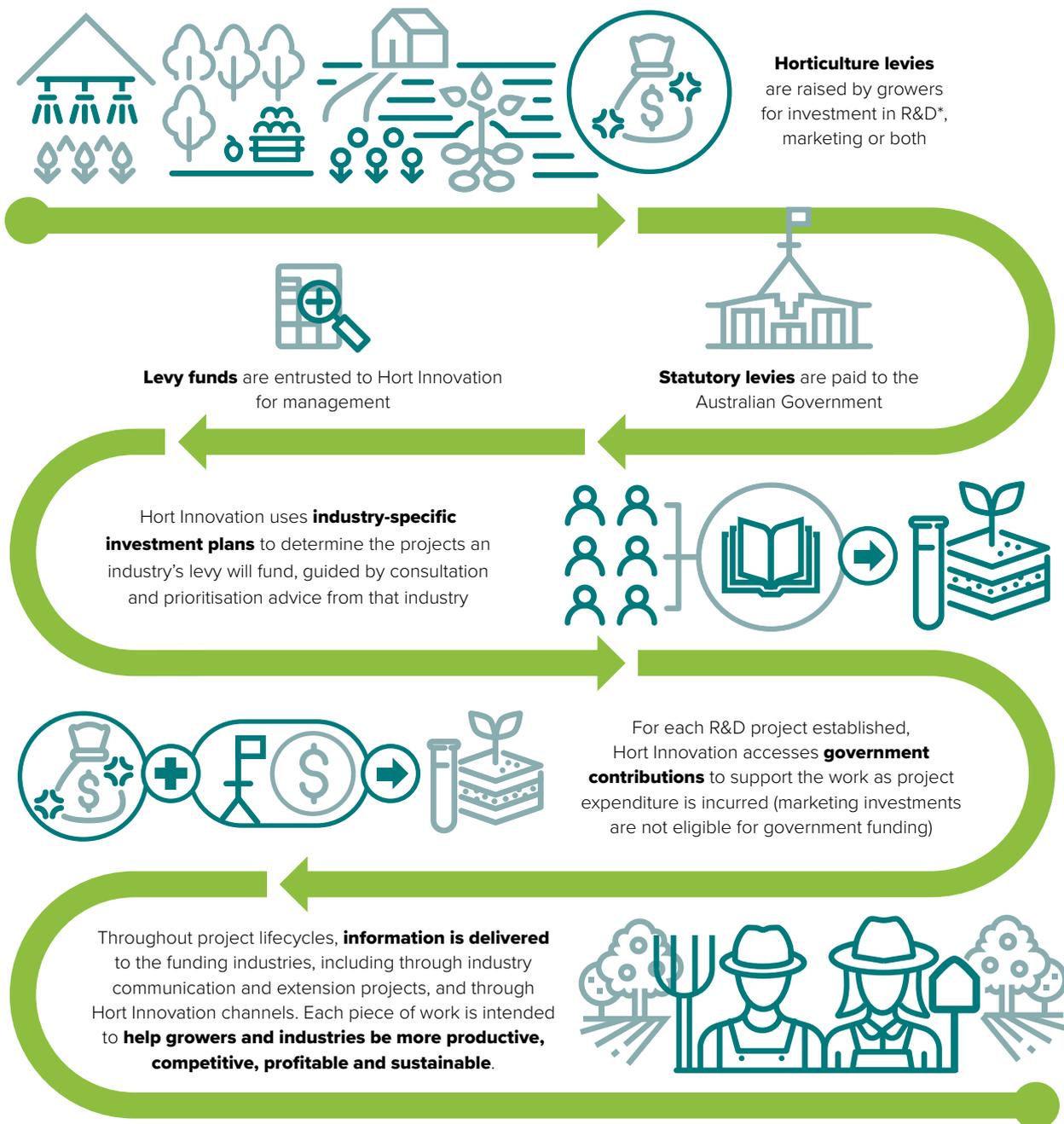
Just some of the things delivered for you during the year:

- ✓ **A new, multi-industry communication and extension program for the berry industries**, delivering the *Australian Berry Journal*, *The Burst* e-newsletter, the www.berries.net.au website, webinars and more (p7)
- ✓ **Information and data to assist through COVID-19**, including the new *Hort Innovation Insights* podcast (www.horticulture.com.au/webinars) and regular consumer attitude and behaviour information (www.horticulture.com.au/impact-monitor)*
- ✓ **The Harvest to Home dashboards for both raspberries and blackberries** providing regular household purchase data and insight reporting, at www.harvesttohome.net.au
- ✓ **Preparation support for fall armyworm**, including emergency minor use permits and an educational podcast series, www.bit.ly/armyworm-podcast *
- ✓ **A host of biosecurity initiatives** to protect the raspberry and blackberry industry from potential threats, such as spotted wing drosophila (see from p8)
- ✓ **The Good Mood Food** across-horticulture marketing campaign to support industries through the effects of recent times (www.horticulture.com.au/the-good-mood-food)*
- ✓ **Investments in the Hort Frontiers strategic partnership initiative** to address longer-term and often complex issues and opportunities critical to the future of Australian horticulture – see www.horticulture.com.au/hort-frontiers *
- ✓ **Projects supported by grants** secured by Hort Innovation, ranging from cross-sector Rural R&D for Profit Initiatives to horticulture-specific work to aid in access to crop protection products – see the Hort Innovation Annual Report 2019/20 for more*

*These initiatives were delivered outside of the Hort Innovation Raspberry and Blackberry Fund and, in most instances, did not involve the industry levy

Making investments in 2019/20

The below diagram shows how Hort Innovation makes strategic levy investments on behalf of horticulture industries. The raspberry and blackberry R&D and marketing levies were invested this way during the year, guided by the Raspberry and Blackberry Strategic Investment Plan and advice from the industry’s investment advisory panel.



* Encapsulating extension and international trade

To learn more about funding specific to the Hort Innovation Raspberry and Blackberry Fund, visit www.horticulture.com.au/raspberry-and-blackberry. During the year, other sources of funding were also used to support activities for the benefit of Australian horticulture, including grant funding secured by Hort Innovation, co-investment dollars brokered through our Hort Frontiers initiative and centralised strategic levy reserves.

Investment planning and performance

During 2019/20, Hort Innovation continued to track investment expenditure against the Raspberry and Blackberry Strategic Investment Plan, while looking towards new developments in 2021. Access an at-a-glance copy of the current investment plan at www.bit.ly/rubus-plan.

A performance analysis is coming

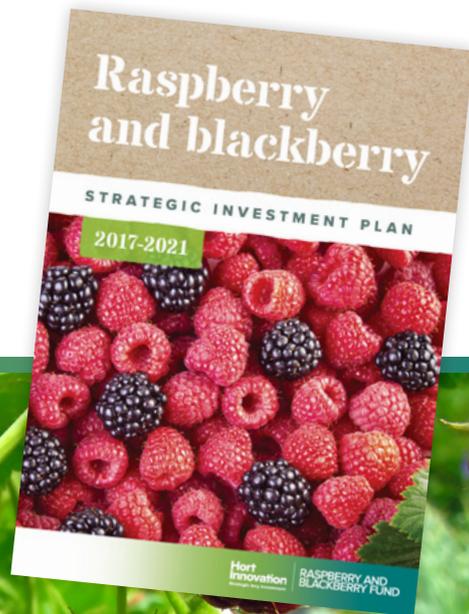
The industry's investment plan outlines key goals and outcomes for levy investment. With the plan due for renewal in 2021, Hort Innovation is undertaking a performance analysis to see how the industry has progressed against the current plan's ambitions for investment. This will also help guide ongoing priorities. Look for information to be published at www.horticulture.com.au/raspberry-and-blackberry in 2021.

See how your levy investments align to the industry's current plan

You can see how investment expenditure in the Hort Innovation Raspberry and Blackberry Fund aligns to the industry's current strategic investment plan with the interactive analysis information available from www.bit.ly/raspberry-and-blackberry-investment. The analysis shows the allocation of funding against each of the raspberry and blackberry plan's outcomes, and gives an indication of the projects that are aligned to each outcome.

New ways of obtaining advice and setting priorities

In 2020/21, Hort Innovation will be implementing new ways of obtaining advice and setting priorities for industry investments. Renewed industry investment plans, plus new yearly (or as needed) program plans and new ways of consulting more broadly will mean more efficient investment and better outcomes for industry. Watch this space.



R&D project list 2019/20



NEW INVESTMENTS IN 2019/20

LP15001	Masterclass in Horticultural Business
MT18016	Leadership development program
MT18020	Facilitating the development of the Australian berry industries
MT19003	Parasitoids for the management of fruit flies in Australia
MT19005	Horticulture trade data
MT19008	Strategic Agrichemical Review Process (SARP) updates
MT19009	BerryQuest International 2021
ST19018	Xylella insect vectors project
ST19020	Generation of data for pesticide applications in horticulture crops 2020

ONGOING INVESTMENTS IN 2019/20

RB16000	Rubus industry minor use program
RB17000	Integrated pest management of redberry mite, <i>Acalitus essigi</i> , on blackberries
AM17001	Developing a national systems approach for meeting biosecurity requirements to access key Asian markets
MT16005	Enhanced National Bee Pest Surveillance Program
MT17006	Improving preparedness of the Australian horticultural sector to the threat potentially posed by <i>Xylella fastidiosa</i> (a severe biosecurity risk)
MT17006	Xylella coordinator
MT17015	Consumer behavioural and retail data for fresh produce
MT18004	Review of the biosecurity plan for the berry sector
MT18005	Improving plant industry access to new genetics through faster and more accurate diagnostics using next generation sequencing
MT18010	Developing IPM-compatible controls for spotted winged drosophila (<i>Drosophila suzukii</i>)
MT18010	Exploring IPM-compatible methods for spotted winged drosophila in berry crops
MT18011	Ex-post impact assessment*
MT18018	Generation of data for pesticide permit applications in horticulture crops 2019/20
ST17000	Generation of data for pesticide applications in horticulture crops 2018
ST18001	Generation of data for pesticide applications in horticulture crops

* This multi-industry project was a key monitoring and evaluation investment during 2019/20 – we encourage you to find the full details at www.horticulture.com.au/mt18011

INVESTMENTS COMPLETED IN 2019/20

MT17005	Improving the biosecurity preparedness of Australian horticulture for the exotic spotted wing drosophila (<i>Drosophila suzukii</i>)
ST16008	AgVet collaborative forum

R&D report

Take a closer look at some of the key investments in the Hort Innovation Raspberry and Blackberry Fund during 2019/20. You can also visit www.horticulture.com.au/raspberry-and-blackberry at any time to access information on new, ongoing and completed projects, and to download resources produced by levy investments, such as fact sheets and guides.

Facilitating the development of the Australian berry industries (MT18020)

NEW IN 2019/20

Key research provider: Berries Australia

Beginning in 2019, this multi-industry investment supports Australian berry growers in adopting improved practices on-farm and in keeping up to date with the latest industry news, information, resources and technologies.

The project delivers a nationally coordinated but locally implemented program which employs several industry development officers to provide specialist skills and knowledge.

Extension and communication channels delivered include, but aren't limited to:

- » The *Australian Berry Journal* quarterly magazine, available from www.berries.net.au/home/news/abjournal
- » The industry's monthly newsletter, which has information tailored to blueberries and other berry crops, as well as the latest across-industry R&D news – if you don't receive it already, sign up at www.berries.net.au/subscribe
- » The Berries Australia website, www.berries.net.au, which features industry news, information and resources for growers, including those listed below
- » Fact sheets and case studies, as needed
- » Berry plant protection guides for each crop
- » Workshops across the country
- » Webinars for growers.

BerryQuest International 2021 (MT19009)

NEW IN 2019/20

Key research provider: Berries Australia

This investment was established to support the running of BerryQuest International 2021, which was to be held in Queensland in July 2021. However, due to the global pandemic, the event has been postponed to 2022. When it does go ahead, it will be an opportunity for berry industry participants to engage with the outcomes of their levy investments as well as hear from international experts and learn from field visits. It will be a joint initiative across the berry category and have a focus on networking, connecting growers with supply chain stakeholders, researchers and industry experts to facilitate knowledge transfer on key issues such as biosecurity, trade, market development, marketing and adoption of R&D outcomes.

Leadership development program (MT18016)

NEW IN 2019/20

Key research provider: The Right Mind

This multi-industry investment runs and supports the participation of horticulture participants – including workers in the raspberry and blackberry industry – in the Growing Leaders leadership development program. The program is conducted online and (where and when possible) through face-to-face sessions, and helps participants define their leadership style, manage conflict, shape team culture, communicate effectively and more. For more information, visit www.therightmind.com.au/programs and look out for opportunities to apply in industry channels.

Masterclass in Horticultural Business (LP15001)

NEW IN 2019/20

HORT FRONTIERS

Key research providers: University of Tasmania in partnership with Lincoln University and Wageningen Research Academy

The Masterclass in Horticultural Business course was developed under the Hort Frontiers Leadership Fund and is aimed at fostering new innovators and leaders for the Australian horticulture industry. Best described as a 'mini MBA', it's a nine-month course where participants develop their business skills and build their own business plans for the future. The course is delivered predominantly online, with several face-to-face sessions and field trips to some of Australia's savviest horticulture outfits.

Raspberry and blackberry levy has been co-invested into the Masterclass investment for the first time in 2019/20, to support a scholarships for an industry levy-payer in the 2020 course.

Parasitoids for the management of fruit flies in Australia (MT19003)

NEW IN 2019/20

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

Involving funding from a range of industries, this investment is helping evaluate the use of parasitoid wasps in the potential management of fruit flies. The use of natural enemies such as parasitoids against insect pests is a core component in sustainable pest control and, if successful, will provide horticulture industries with another method to use for fruit fly management.

The research is being conducted through two complementary components – firstly by improving current knowledge of natural fruit fly parasitoid distribution in Queensland and northern New South Wales, and secondly by trialling a new mass rearing and release strategy for the southern states.

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

NOW COMPLETE

Key research provider: Plant Health Australia

Running from 2018 to 2020, this multi-industry investment improved awareness of the risks posed by spotted wing drosophila, which attacks a range of soft-skinned fruit, as well as enhanced Australia's capacity to detect and respond to any incursions of the pest.

Most importantly, this project developed a framework for modelling spotted wing drosophila establishment and movement throughout Australian regions, allowing for a comprehensive preparedness plan to be developed for a swift response in the event of an incursion. The plan includes an extensive list of recommendations for industry, including relating to surveillance, control techniques, engagement and awareness, and diagnostics.

The project also worked to build knowledge and capacity around appropriate surveillance and management tools and strategies within the growing industries, government and among other relevant stakeholders. It produced a range of materials for growers, including identification information, a fact sheet on spotted wing drosophila hosts, and a webinar detailing preparedness for the pest.

Full details and links to the project's resources – and final research report – can be found at www.bit.ly/mt17005.



Developing IPM-compatible controls for spotted winged drosophila (MT18010)

Key research provider: IPM Technologies

Beginning in April 2019, this investment is developing and evaluating control measures against spotted wing drosophila, which are compatible with integrated crop management (IPM) approaches used in berry crops.

Control measures used overseas include regular use of insecticides that aren't IPM compatible – and considering IPM is well-adopted in Australian berry crop production, the use of such insecticides here could lead to severe flares of other issues, such as western flower thrips and two-spotted mite.

With this in mind, this project is preparing and testing IPM-compatible control measures against spotted wing drosophila overseas, so that sustainable long-term management in Australia will be possible should the pest arrive on our shores.

There is also a sister project to this investment, **Exploring IPM-compatible methods for spotted winged drosophila in berry crops (MT18010)**, which is being delivered by cesar. This component of the work involves desktop research that will put an Australian focus on existing spotted wing drosophila research; review of trial site results; and work to extend research findings. Communicating information on spotted wing drosophila and likely control measures (IPM-safe and otherwise) to berry growers and advisors will be key to the program.

Xylella insect vectors (ST19018)

NEW IN 2019/20

Key research provider: Wine Australia

This project is a collaboration between Hort Innovation and Wine Australia to help safeguard Australia against the potentially catastrophic *Xylella fastidiosa*. This exotic bacteria impedes the movement of rising sap in plants and, were it to enter the country, it could threaten more than 350 commercial, ornamental and native plant species.

The project team is identifying and assessing insects in Australia that could potentially carry and transfer the bacteria, should it arrive on our shores. Developing an understanding of these potential insect vectors – including their feeding behaviour, population dynamics and range – will build essential knowledge to help in how xylella could be detected and contained in Australia.

The work is a partnership through the Plant Biosecurity Research Initiative (PBRI), 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.

Xylella coordinator (MT17006)

Key research provider: Wine Australia

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 *Xylella fastidiosa*. Like the project described in the previous summary, this is another joint initiative between Hort Innovation and Wine Australia, through the PBRI.

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

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

Adding to the PBRI's xylella work, this multi-industry investment will 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.

Enhanced National Bee Pest Surveillance Program (MT16005)

HORT FRONTIERS

Key research provider: Plant Health Australia

This investment is delivering a nationally coordinated bee-pest surveillance program to help safeguard honey-bee and pollinator-dependent industries in Australia. It builds upon previous industry levy-funded investment, and includes upgrading sentinel hive arrays, strengthening relationships with surveillance operators, the introduction of new elements such as Asian hornet screening and more. The surveillance is designed to enable the early detection of high-priority pest incursions that can impact on honey bees, providing the best opportunity for successful pest eradication.

The raspberry and blackberry industry is one of several contributors to the work, and the program is part of the Hort Frontiers Pollination Fund.

Developing a national systems approach for meeting biosecurity requirements to access key Asian markets (AM17001)

HORT FRONTIERS

Key research provider: Queensland Eco-sciences Precinct

Most horticultural trade relies on demonstrating that the commodity either comes from an area that is free of pests and diseases (area freedom), or involves the application of an agreed, stringent end-point treatment. This project is a collaboration between industry, researchers and regulators to help Australian horticulture enterprises realise market opportunities in Australia and Asia by developing a quantitative 'systems approach' that will be acceptable to regulators. It will also be providing the supporting information necessary to help industries evaluate and adopt systems approaches.

Systems approaches integrate those pre- and post-harvest practices used in production, harvest, packing and distribution of a commodity which cumulatively meet requirements for quarantine security. The systems approach used in each region will set safeguards and mitigation measures which individually and cumulatively provide a reduction in plant pest risk.

Improving plant industry access to new genetics through faster and more accurate diagnostics using next generation sequencing (MT18005)

Key research provider: Queensland University of Technology

This investment is tasked with supporting the adoption of 'next generation sequencing' in the screening of imported horticultural plant material in post-entry quarantine facilities. The technology has the potential to allow plants to move through the quarantine process much more quickly – allowing industry speedier access to new genetic stocks. Learn more at www.bit.ly/mt18005.

Review of the biosecurity plan for the berry sector (MT18004)

Key research provider: Plant Health Australia

This five-year investment is reviewing existing biosecurity priorities, plans and needs for both the raspberry and blackberry and strawberry industries, and will ultimately deliver a cohesive biosecurity plan for the Australian berry sector. Like the existing individual industry plans, the berry sector plan will be a top-level document that identifies high-priority endemic and exotic pests, diseases and weeds, along with the risk mitigation activities required to reduce their biosecurity threat, plus surveillance and diagnostic activities. It will provide



a strategic framework for industry and government to work together to improve preparedness for and response to these potential threats.

The current raspberry and blackberry biosecurity plan is available from Plant Health Australia at www.planthealthaustralia.com.au/berries.

Integrated pest management of redberry mite, *Acalitus essigi*, on blackberries (RB17000)

Key research provider: University of Tasmania

This ongoing investment is developing integrated pest management tools and strategies for the rubus industry, with a focus on tackling redberry mite (*Acalitus essigi*) in blackberries. The mite's feeding leads to damaged fruit with incomplete, delayed and/or uneven ripening, with affected drupelets being hard and coloured bright red or green.

Consumer behavioural and retail data for fresh produce (MT17015)

Key research provider: Nielsen

This multi-industry investment provides regular consumer behaviour data and insight reporting to a range of industries, through the Harvest to Home platform (www.harvesttohome.net.au).

The platform has established a dedicated dashboard each for raspberries and blackberries, which will make data and reporting easily accessible for industry participants. The information is intended to assist growers and supply chain partners in decision-making for their businesses and, for the wider industry, the data and insights are available to support strategic activities, as well as Hort Innovation Raspberry and Blackberry Fund marketing plans.

Raspberry and blackberry industry minor use program (RB16000)

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 raspberry and blackberry 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 [p12](#).

All current minor use permits for the industry are searchable at portal.apvma.gov.au/permits. Permit updates are also circulated in Hort Innovation's *Growing Innovation* e-newsletter, which levy-paying members receive monthly and which you can sign up for at www.horticulture.com.au/sign-up.

Strategic Agrichemical Review Process (SARP) updates (MT19008)

NEW IN 2019/20

Key research provider: AGK Services

This short investment is facilitating a 2020 Strategic Agrichemical Review Process (SARP) for several horticulture industries, including the raspberry and blackberry industry. Providing an updated view of current priorities and gaps regarding pest, disease and weed control, the completed raspberry and blackberry SARP report will assist in directing ongoing efforts to ensure the availability of and access to effective chemical controls. This may relate to pursuing chemical registrations with agrichemical companies, or minor use permits.



Data generation investments (MT18018, ST17000, ST18001 and ST19020)

NEW IN 2019/20 (ST19020)

Key research providers: Peracto and Staphyt

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.

These multi-industry projects are generating the data needed to support a range of label registrations and minor use permit applications and renewals across a variety of horticulture crops, including rubus. They include **Generation of data for pesticide applications in horticulture crops 2018 (ST17000)**, **Generation of data for pesticide applications in horticulture crops (ST18001)** and **Generation of data for pesticide applications in horticulture crops 2020 (ST19020)**, all of which are supported by grant funding secured by Hort Innovation through the Australian Government's Access to Industry Priority Uses of AgVet Chemicals program. Further work is being carried out by **Generation of data for pesticide permit applications in horticulture crops 2019/20 (MT18018)**.

Minor use permits

The Hort Innovation Raspberry and Blackberry 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-rubus.

Permits in 2019/20

During the 2019/20 financial year, successful emergency use permits for PER89406 and PER89407 were prepared by Hort Innovation and submitted to the APVMA, facilitated through the *Raspberry and blackberry industry minor use program* (RB16000). Renewals for PER13958 and PER87141 were also submitted, and approved just inside 2020/21.

Meanwhile, a successful new permit, PER88058, and a renewal for PER14233 were issued during 2019/20, with the applications submitted through the industry minor use program in the previous financial year.

Separately, fall armyworm – an incredibly destructive exotic pest – was detected on Australian shores for the first time in 2020. To support readiness and protect the horticulture sector, Hort Innovation was involved in securing emergency permits for crop protection chemicals, with all horticulture industries having at least one effective option available to them by the end of 2019/20. For the raspberry and blackberry industry, PER89241, PER89278, PER89253 and PER89870 were obtained for this reason.

Details for these and all other permits can be found in the following table.

Current permits

Below is a list of minor use permits for the raspberry and blackberry industry, current as of 21 September 2020.

PERMIT ID	DESCRIPTION	STATE	DATE ISSUED	EXPIRY DATE	PERMIT HOLDER
PER12486 Version 5	Trichlorfon / Strawberries, blueberries and rubus spp. / Fruit fly	ACT, NSW, NT, QLD, SA, WA	06-Oct-11	31-May-21	Australian Blueberry Growers' Association (ABGA) C/Hort Innovation
PER82024	Metham / Blueberries and rubus / Weed seeds and soil borne pathogens	All	01-Feb-16	31-Mar-21	ABGA C/Hort Innovation
PER87408	Success Neo (spinetoram) / Strawberries, rubus and rubus hybrids and blueberries / Fruit fly (suppression only)	All, excluding VIC	15-Apr-19	30-Apr-24	Hort Innovation
PER13150 Version 2	NoGall (Agrobacterium radiobacter) / Rubus root systems / Crown gall	NSW and TAS	23-Mar-12	31-Oct-22	Raspberry and Blackberries Australia (RABA)
PER13289 Version 4	Indoxacarb (Avatar) / Blueberries and rubus spp. / Light brown apple moth and elephant weevil borer (field and protected)	All	31-Oct-12	31-Aug-23	RABA C/Hort Innovation

Continued >>

PERMIT ID	DESCRIPTION	STATE	DATE ISSUED	EXPIRY DATE	PERMIT HOLDER
PER13957 Version 2	Petroleum oil (incl. paraffinic and mineral oil) / Rubus and ribes / Two-spotted mite and scale insects	All, excluding VIC	01-Apr-13	31-Mar-23	RABA C/Hort Innovation
PER13958 Version 5	Pyrimethanil, captan, metalaxyl, metalaxyl-M, mancozeb, triadimenol, phosphorous acid / Rubus, ribes and blueberries / Various fungal blights	All, excluding VIC	01-Apr-13	31-Aug-25	Hort Innovation
PER14449 Version 2	Chlorothalonil / Rubus / Grey mould, rust, downy mildew, Septoria leaf spot	All, excluding VIC	01-Oct-14	31-May-22	RABA
PER14233 Version 3	Carfentrazone-ethyl (spotlight and hammer herbicide) / Rubus spp., ribes spp / Sucker control	All, excluding VIC	29-Aug-13	30-Nov-24	Hort Innovation
PER14234 Version 2	Eco-Oil Botanical Oil Concentrate (emulsifiable botanical oil) / Blueberries, rubus spp., ribes spp. / Two-spotted mite	All, excluding VIC	10-Sep-13	31-Aug-23	RABA C/Hort Innovation
PER82986 Version 2	Boscalid + pyraclostrobin (Pristine Fungicide) / Rubus and rubus hybrids, blueberries (field and protected) / Various fungal diseases	All	25-Aug-17	31-Aug-24	Hort Innovation
PER84973 Version 2	Metalaxyl-M + Mancozeb (Ridimol Gold MZ) / Rubus and rubus hybrids / Downy mildew	All, excluding VIC	16-Feb-18	31-Mar-23	RABA C/Hort Innovation
PER14424 Version 2	Fenhexamid (Teldor) / Rubus and rubus hybrids (field and protected-cropping grown) / Grey mould	All, excluding VIC	28-Jan-14	30-Sep-23	RABA
PER14425 Version 2	Bifenazate (Acramite) / Specified rubus and rubus hybrids / Two-spotted mite and European red spider mite	All, excluding VIC	28-Feb-14	30-Sep-23	RABA
PER14422 Version 2	Cyprodinil + fludioxonil (Switch) / Dewberries (including boysenberries and loganberry), blackberries, raspberries, cloudberries and youngberries / Grey mould	All, excluding VIC	28-Feb-14	31-Dec-23	RABA C/Hort Innovation
PER14443 Version 2	Copper – cupric hydroxide / Rubus spp. including raspberries and blackberries/ Rust and leaf spot	All, excluding VIC	28-Feb-14	31-Jan-24	Hort Innovation
PER84972	Bifenthrin / Rubus spp., ribes spp. (not including currants) and blueberries / Monolepta beetle, plague thrips and elephant weevil	All, excluding VIC	12-Feb-18	28-Feb-23	RABA
PER13859	Dimethoate / Orchard clean-up – fruit fly host crops following harvest / Fruit fly	All, excluding VIC	09-Feb-15	31-Jul-24	Growcom
PER87141 Version 2	Sulfoxaflor (Transform insecticide) / Blackberries and raspberries / Cottonseed bug	NSW and QLD only	18-Oct-18	31-Aug-22	Hort Innovation
PER87441	Sulfoxaflor (Transform insecticide) / Blackberries / Green peach aphid	TAS only	04-Dec-18	31-Dec-21	Hort Innovation
PER87439	Pirimicarb / Blackberries / Green peach aphid	TAS only	04-Dec-18	31-Dec-21	Hort Innovation
PER87464	Colecalciferol (Selontra soft bait rodenticide) / Rubus, rubus hybrid and blueberry / Rats and mice	All	17-Dec-18	31-Dec-20	Hort Innovation

Continued >>



PERMIT ID	DESCRIPTION	STATE	DATE ISSUED	EXPIRY DATE	PERMIT HOLDER
PER87245	Sulphur (Sulfur 800 WG fungicide and miticide) / Blackberries / Broad mite, two-spotted mite, bean spider mite and red berry mite	All	25-Mar-19	31-Mar-24	Hort Innovation
PER88058	Serenade Opti Biofungicide (<i>Bacillus amyloquefaciens</i>) / Blackberries and raspberries / Botrytis grey mould	All	15-Oct-19	31-Oct-22	Hort Innovation
PER86213*	Ethephon / Blueberry, rubus and ribe spp. / Promoting uniform maturity	NSW only	05-Dec-18	31-Dec-21	ABGA C/Wollongbar
PER89241	Spinetoram / Berry fruit / Fall armyworm	All, excluding VIC	06-Mar-20	31-Mar-23	Hort Innovation
PER89278	Indoxacarb / Rubus spp. / Fall armyworm	All, excluding VIC	13-Mar-20	31-Mar-23	Hort Innovation
PER89406	Etoxazole / Blackberries and raspberries / Two-spotted mite and bean spider mite	All, excluding VIC	30-Apr-20	30-Apr-23	Hort Innovation
PER89353 Version 2	Chlorantraniliprole (Altacor Hort Insecticide / Coragen) / Fruit: strawberries and rubus spp. (field and protected) / Fall armyworm	All, excluding VIC	05-May-20	31-May-23	Hort Innovation
PER89407	Fenbutatin oxide / Blackberries and raspberries / Two-spotted mite, European red mite, broad mite, red berry mite and bean spider mite	All, excluding VIC	14-May-20	31-May-23	Hort Innovation
PER89870	Spinosad (Entrust Organic) / Various including berry fruit / Fall armyworm	All, excluding VIC	21-Jul-20	31-Jul-23	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. Details of the conditions of use associated with these permits can also be found on the APVMA site.

*This flagged permit was not part of the Raspberry and Blackberry Fund's minor use program, and is not covered by Hort Innovation levy funding

Keep up to date! Find monthly minor use permit updates in our *Growing Innovation* e-newsletter. Sign up for free at www.horticulture.com.au/sign-up.

Marketing report

Hort Innovation is responsible for investing the industry's marketing levy into activities to drive awareness and use of raspberries and blackberries, under the Hort Innovation Raspberry and Blackberry Fund



Increasing the domestic per capita consumption of raspberries and blackberries by 40 per cent by 2021, supported by positive consumer perceptions of product value, is a key industry priority identified in the Raspberry and Blackberry Strategic Investment Plan.

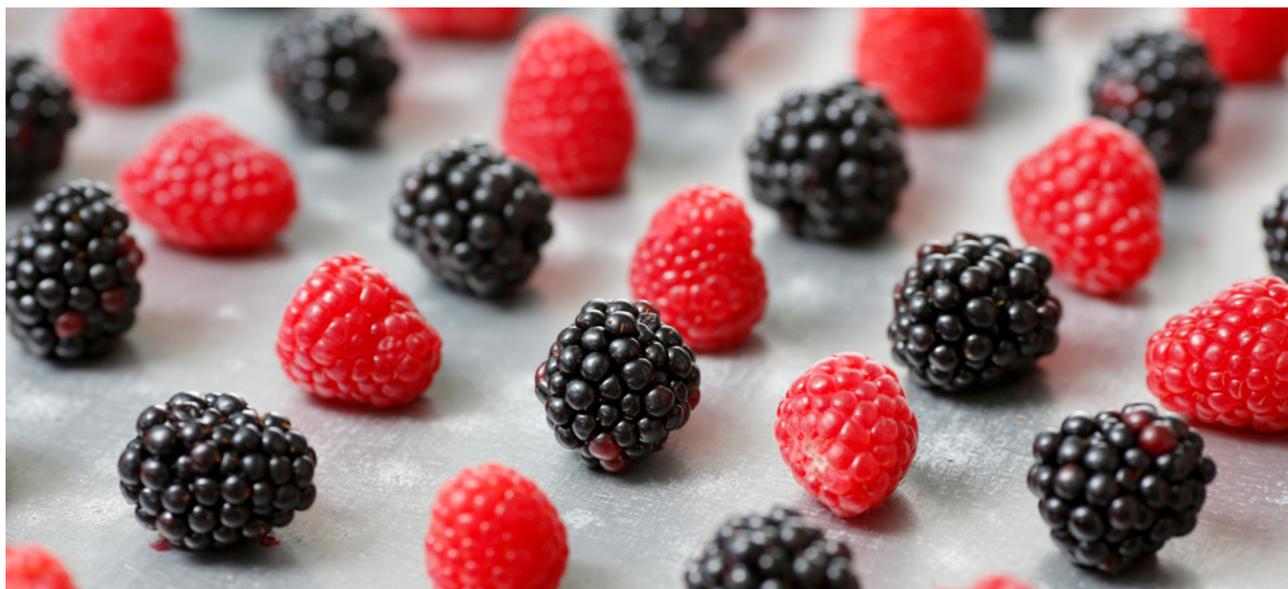
During the 2019/20 financial year there was no levy-funded marketing activity for the raspberry and blackberry category, however compelling price points and prominent in-store displays from retailers have contributed to a strong uplift in performance.

As the industry looks to drive growth further for raspberries and blackberries, there is an opportunity to build on the momentum already being experienced and maintain strong consumer demand and loyalty. This will be important in the future should there be any changes within the marketplace to price or placement within store.

A comprehensive assessment of the unique opportunities available to the raspberry and blackberry category has been conducted to define a unique and effective marketing strategy which will be implemented in 2020/21.

This strategy has been formulated to drive consumption by positioning raspberries and blackberries as an indulgent yet healthy everyday fruit that can be added to dishes as an enhancement that creates a 'wow factor' for your meal. The 2020/21 campaign will drive consumers to consider purchasing berries more often by highlighting the unique benefits of raspberries and blackberries, encouraging them to eat berries on occasions other than snacking and to promote the consumption of berries outside of summer.

The core activities of the campaign (digital and public relations) will be targeted at 'creative foodies' aged 35-44 with a household income of more than \$90,000.



THE GOOD MOOD FOOD

THE GOOD MOOD FOOD

In 2019/20, Hort Innovation created The Good Mood Food campaign to deliver an immediate and enduring behaviour-change message to motivate more Australians to eat more fruit, vegetables and nuts.

With the central message that these Aussie horticulture products are natural mood boosters, the campaign was developed to support the sector through the impacts of recent challenges including bushfires, drought, floods and of course COVID-19 – the effects of which continue to be felt in consumer spending and purchasing behaviour.

Initially running between May and November 2020, The Good Mood Food has been seen across the country on TV; in newspapers; on radio and music streaming services; online (including on YouTube and TV catch-up services); on social media; and via retail partnerships and advertising screens near supermarkets.

In July, 56 per cent of surveyed consumers said The Good Mood Food had positively influenced their shopping habits, and by the end of campaign's run, 98 per cent of all Australians were expected to be reached.

Learn more at www.horticulture.com.au/the-good-mood-food.

Financial statement

Financial operating statement 2019/20

	R&D (\$)	MARKETING (\$)	TOTAL (\$)
	2019/20 July – June	2019/20 July – June	2019/20 July – June
OPENING BALANCE	1,976,862	200,154	2,177,016
Levies from growers (net of collection costs)	859,893	172,091	1,031,984
Australian Government money	291,134	–	291,134
Other income*	28,603	3,098	31,702
TOTAL INCOME	1,179,630	175,190	1,354,820
Project funding	470,319	–	470,319
Consultation with and advice from growers	2,995	998	3,993
Service delivery – base	22,207	43	22,250
Service delivery – shared	44,748	62	44,810
Service delivery – fund specific	42,000	–	42,000
TOTAL EXPENDITURE	582,268	1,103	583,371
Levy contribution to across-industry activity	–	–	–
CLOSING BALANCE	2,574,224	374,240	2,948,465
Levy collection costs	9,877	1,862	11,739

* Interest, royalties

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

Hort Innovation

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