

# NATIONAL FRUIT FLY STRATEGY

Implementation Report

2022-23



## Funding Statement

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## Acknowledgement of Country

PHA acknowledges the Australian Aboriginal and Torres Strait Islander peoples as the traditional custodians of the lands where we work, live, and learn.

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## Glossary of Terms

Acronym	Term
AFFTAC	Australian Fruit Fly Technical Advisory Committee (a Subcommittee of Plant Health Committee)
AMIA	Australian Mango Industry Association
ATGA	Australian Table Grape Association Inc.
CSIRO	The Commonwealth Scientific and Industrial Research Organisation
DAFF	Department of Agriculture, Fisheries and Forestry
DPIRD	Department of Primary Industries and Regional Development Western Australia
EPP	Emergency Plant Pest
GSPFA	Greater Sunraysia Pest Free Area
IAEA	International Atomic Energy Agency
ICA	Interstate Certification Assurance
LAMP	Loop-Mediated Isothermal Amplification
LLS	Local Land Services New South Wales
MoU	Memorandum of Understanding
NAQS	Northern Australia Quarantine Strategy
NIAP	National ICA Audit Program
NRE Tas	Department of Natural Resources and Environment, Tasmania
NSW DPI	New South Wales Department of Primary Industries
PFA	Pest Free Area
PHA	Plant Health Australia
PHC	Plant Health Committee
PIRSA	Department Of Primary Industries and Regions, South Australia
QDAF	Department of Agriculture and Fisheries, Queensland
SIT	Sterile Insect Technology
SMART	The Subcommittee for Market Access, Risk and Trade


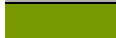


## About this Report

The 2022–23 Implementation Report summarises progress and achievements from 1 July 2022 to 30 June 2023. Progress in each of the eight key result areas from the National Fruit Fly Strategic (NFFS) 2020-25 is tracked against the strategic framework and objectives within the NFFS.

The Implementation Report is finalised in June of the previous financial year and published along with the next financial year's Implementation Plan.

A colour code is used to report on performance, as shown below.

## Performance reporting key

	Activity is completed
	Activity is on schedule
	Activity is behind schedule or has been modified
	Activity will not be met

## Strategic Framework 2020-25

### Vision

Australia has a robust fruit fly management system that supports growth in horticultural production, market access and trade.

### Goal

Australia will have a contemporary, viable, cost-effective, and coordinated national approach to fruit fly management, with stakeholders committed to the national strategy.

### Strategic objectives and key performance indicators



#### 1. Maintain Australia's freedom from exotic fruit fly

Maintaining freedom from exotic fruit flies is essential to the sustainability of Australia's horticultural industries.

**Key Performance Indicator:**

*Inursion(s) of exotic fruit flies in Australia are detected early and eradicated.*



#### 2. Minimise the incidence and spread of fruit fly

Improving the management and suppression of established fruit fly species and preventing their further spread will help support productivity, reduce management costs, and enable trade and market access opportunities through low pest prevalence and pest-free areas.

**Key Performance Indicator:** *Domestic and international recognition of fruit fly pest free areas is retained or increased.*



#### 3. Implement national systems that support market access

Providing markets (domestic and international) confidence in our fruit fly system will ensure Australian growers can capitalise on our reputation for high-quality produce.

**Key Performance Indicator:** *There is no critical non-conformance in the national fruit fly assurance system.*



#### 4. Facilitate a cooperative and committed national approach to fruit fly management

The cooperation of governments, industries and communities that operate in different fruit fly management areas is vital to the success of the fruit fly system.

**Key Performance Indicator:** *Consistency between governments, industries, and communities' strategy and strategic fruit fly objectives.*

## Priority Areas

Eight different yet interdependent priority areas have been identified for the strategy.



### 1. Market access

Develop a framework of policy, legislation and operations that enables market access with the least trade restrictive measures and is legally enforceable and technically justified.



### 2. Management of established fruit fly

Build and promote efficient and effective methods to manage established fruit fly species, reduce the impact on production and facilitate access to sensitive markets.



### 3. Prevention, preparedness, and response

Continue to support the development and resourcing of prevention, preparedness and response measures for incursions or outbreaks.



### 4. Research

Maintain and enhance fruit fly research capability, capacity, and resources, pursuing research and extension that focus on nationally agreed priorities.



### 5. Surveillance

Ensure a nationally consistent surveillance framework that clarifies fruit fly distribution, prevalence, and control.



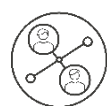
### 6. Diagnostics

Maintain and enhance rapid diagnostic capability and capacity to support responses to incursions or outbreaks and to confirm area freedom.



### 7. Communication and engagement

Adopt systems and mechanisms for the efficient and effective communication, training, extension, and uptake of fruit fly information by a broad range of audiences.



### 8. Cooperation

Maintain and enhance engagement processes that coordinate, progress, and improve fruit fly management systems.

## 1. Market access

Develop a framework of policy, legislation and operations that enables market access with the least trade-restrictive measures and is legally enforceable and technically justified.

Australia has strong domestic and international biosecurity systems vital for supporting market access for fruit fly affected industries. These systems must reflect internationally accepted standards and protocols, uphold risk management principles, and be transparent and scientifically robust to maintain confidence among domestic and international trading partners. It is essential that fruit fly policy, legislation, and operations continuously improve to meet market access needs.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Continue to work with the Australian Government as well as other governments and industry contributing to the national progression of the fruit fly management system.		NRE Tas	NRE Tas proactively engages with the Australian Government as well as other states & territories on a number of formal committees as well as state-based industry groups including through the Tasmanian Fruit Fly Task Force that meets regularly throughout the year.
Finalise the stabilisation phase of Australia's National Fruit Fly Management Protocol.		DAFF & Multiple Agencies	DAFF: The overarching documents within the Protocol have been endorsed by PHC (Dec 2021). However, supporting documentation intending to provide consistent guidance, instruction, and technical requirements to maintain fruit fly management systems continue to be progressed through Australian Fruit Fly Technical Advisory Committee (AFFTAC) in line with state and territory priorities.  Fruit fly management processes and procedures lacking subordinate documentation continues to present a risk for consistency of fruit fly management actions and the department will continue to provide advice on where this impacts market access to assist with prioritisation.  State jurisdictions continue to be represented on AFFTAC and to respond to requests for input/approval of Australia's National Fruit Fly Management Protocols and associated documents.
Monitor national fruit fly system assurance activities that underpin international market access, including obligations to demonstrate pest status.		DAFF/ States & Territories	DAFF and all states & territories compliant with requirements.



Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Seek acceptance of Australia's National Fruit Fly Management Protocol from trading partners.		DAFF	Ongoing activity with trading partners.
Communicate international market access requirements for fruit fly and associated issues to industry and state/territory governments.		DAFF	Series of industry engagement sessions commenced through appropriate reporting structures.
Develop new and amend existing Interstate Certification Assurance (ICA), CA and protocols to meet market access needs for NSW growers. Explore systems approaches to increase and support market access.		NSW DPI	Ongoing through ICA review processes.
Negotiate international market access protocols for fruit fly that maintain, improve, or open market access.		DAFF	Delivered as required.
Strengthen current market access data packages and address any perceived gaps to support market access negotiation of international market access.		DAFF	Significant investment through Hort Innovation funded research with future multi-year program in final stages of development.
Investigate and rectify areas of non-compliance identified in the national and domestic system that underpin market access, including National ICA Audit Program (NIAP).		DAFF/ States & Territories	All jurisdictions continue to be subject to periodic audits (at least once every 24 months). Audited against the relevant performance standards as endorsed by PHC. Compliance assessed against the performance standards and follow up audits conducted to verify that agreed corrective actions addressed.
Undertake risk analysis to support proposed market access tools proposed by other jurisdictions.		NSW DPI	Ongoing.
Continue to build confidence in, acceptance, and capacity in the use of phytosanitary irradiation for market access through involvement in the building capacity in irradiation pathways for export project.		Agriculture Victoria	Ongoing engagement with both commercial players (Steritech) and growers/packers.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Support development of alternative market access approaches (e.g., Areas of Low Pest Prevalence, winter windows, system approach, climate models) to underpin trade negotiations for fruit flies.		DAFF	Ongoing work underway through associated Work Plans.
Continue development of product data packages to support phytosanitary trade.		QDAF	Ongoing with project funding being finalised for 8-year project with Hort Innovation.
Continue to contribute to the development and periodic review of domestic trading protocols used to support trade of host produce across jurisdictional borders with varying fruit fly status. This includes working with DAFF to achieve an elevated level of consistency in the use of Methyl Bromide fumigation and irradiation/microwave technology as measures to enable domestic and international market access.		Agriculture Victoria	Significant activity undertaken through numerous committee structures such as the AFFTAC.
Develop Protocol compliant trapping surveillance on cherry, <i>Rubus</i> and strawberry production properties for use in developing Systems Approach market access options.		Industry	Delivered through project.
Continue to explore and develop systems approaches to fill the void left by chemical losses.		NSW DPI	Ongoing engagement with Hort Innovation funded investment through the Safe Trade activities- Commonwealth Scientific and Industrial Research Organisation (CSIRO) team.
Monitor and report against the domestic phytosanitary system for fruit fly through the NIAP.		Multiple Agencies	COVID restrictions have impacted on the delivery of the national audit program. SMART has since agreed to an alternative approach to undertaking NIAP audits.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Investigate and rectify areas of non-compliance identified in the national and domestic systems that underpin market access.		Multiple Agencies	<p>QDAF: Continued implementation of surveillance activities (including maintaining a trapping network at international ports and other high-risk sites), risk mitigation measures for key risk pathways, and responding to suspect reports and new detections to support area freedom claims for exotic fruit flies, including Mediterranean fruit fly.</p> <p>NSW DPI: Trap base has been introduced and monthly monitoring is taking place for other fruit fly of concern.</p> <p>Agriculture Victoria: Pest Quarantine Manual now live and accessible through the Agriculture Victoria website. Ongoing support and advice for industry in relation to movement of produce domestically.</p> <p>PIRSA: The Department has followed and investigated reports of non-certified produce entering South Australia. No non-compliance identified.</p> <p>DPIRD WA: Continued maintenance of trapping base as agreed.</p> <p>NRE Tas: Undertaken minor ICA updates (i.e. labelling) plus continuing focus on maintaining securing our borders and collaboration with Agriculture Victoria pre-border.</p> <p>DAFF: States and territories will be subject to a minimum of one periodic audit within every 24 months against the relevant performance standards as endorsed by PHC. Compliance will be assessed against the performance standards and follow up audits will be conducted to verify that agreed corrective actions have been taken to address non-compliances.</p>
Support Victoria's work to strengthen the domestic protocol for fumigation of host fruit (ICA04) to better address risk and align with arrangements at the national border.		Multiple Agencies	<p>Agriculture Victoria submitted the revised version of national ICA-04 protocol which was supported by the states and agreed to by SMART.</p>

## 2. Management of established fruit fly

Build and promote efficient and effective methods to manage established fruit fly species, reduce the impact on production, and facilitate access to sensitive markets.

A better understanding of established fruit flies helps to improve the effectiveness of control methods and tools. Growers must have management and disinfestation options to control fruit flies and maintain or gain market access. These options must be economical and underpinned by evidence and confidence in supporting assurance systems.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Continue to provide fruit fly management information from DPI and LLS websites.		NSW DPI	Ongoing updating of website resources and development of regional fruit fly workshops. Monthly meetings convened to support this.
Advise industry of any relevant advancements in management practices.		NSW DPI	Undertaken particularly through regional fruit fly workshops delivered through the Local Land Services (LLS) network.
Continue development of parasitoids for the management of fruit flies in Australia.		Agriculture Victoria	Initial project completed with ongoing extension and integration work being explored through the national fruit fly research program.
Continue conducting field investigations to provide advice on Qfly management.		GSPFA	Ongoing through a combination of Ag Vic and industry-based biosecurity and extension programs including both citrus (Citrus Australia) and table grapes (ATGA).
Continue removal of host fruit tree across the region thereby reducing pest pressure and hosts.		GSPFA	Ongoing.
Ensure provision of Qfly control devices throughout the region.		GSPFA	Ongoing distribution of Qfly control devices throughout the region.
Development of hot spot action plans to address sites with habitual high pressure of Qfly.		GSPFA	Ongoing.
Development and trial of on-site fermentation processes for soft fruit to increase the viability of fruit destruction and reduce the need to transport waste off-site.		Yarra Valley Fruit Fly Project	Refer to Australian Berry Journal Summer 2022 "Biosecurity Field Day" page 38 and Spring 2022 "Fruit Waste management for QFF Prevention" page 24. The findings were also presented in a talk at BerryQuest International in Brisbane, April 2022. In the next phase of this project, the capacity of the unit design will be increased to 1000L to be able to empty the fermented product.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Design and publication of brochures (paper and electronic versions) and videos detailing each best practice area for Qfly management.		Yarra Valley Fruit Fly Project	Brochures are still to be completed, video made on baiting (FFMV and YV). These brochures will sit in the e-learning platform.
Unmanaged Qfly host removal on public land alongside participating private properties.		Yarra Valley Fruit Fly Project	The Yarra Ranges Council has removed 243 trees & tree clusters from sites on council-maintained roadsides (cut, paint & mulch) in 2023. No further tree removals are forecast (no further funds allocated to this from state or local council).
Design and implement new trapping grid across jurisdictions.		DAFF	Reviews of trapping grids have been ongoing in jurisdictions.
Review and implementation of the review of the Sunraysia PFA trapping grid to support revocation of the PFA.		Agriculture Victoria	Technical trapping review complete. Yet to engage with industry stakeholders. Status of GSPFA to be determined, post industry engagement.
Evaluate the southwest general fruit fly surveillance program and use the key findings to inform decision making processes across the broader fruit fly reporting and awareness program.		Agriculture Victoria	Reviews of these areas are ongoing.
Grower workshop with updates from Agriculture Victoria researchers re: mass releases and trapping strategy plus updates from the GSPFA.		Citrus Australia	Undertaken with ongoing activity.
Connect Agriculture Victoria researchers with local agronomists to provide input and feedback on short-term research project into trapping strategy for table grapes.		ATGA	A meeting was facilitated by ATGA in June ensuring fine tuning of the trapping strategy for the table grape industry.

### 3. Prevention, preparedness, and response

Continue to support the development and resourcing of prevention, preparedness and response measures for incursions or outbreaks.

Australia works hard to maintain freedom from exotic fruit flies and minimise the spread of established fruit flies into pest-free areas. Understanding fruit fly characteristics and risk pathways can help in the design of detection and control measures to manage incursions and prevent fruit fly spread.

Governments, industries, and communities also have a role to play in taking steps to prepare for potential risks, including planning for fruit fly eradication and for business continuity. There are high returns on investment for prevention and preparedness activities and these remain a priority for Australia's fruit fly management system.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Formalise a national Sterile Insect Technique (SIT) policy for consistent application of this technology.		DAFF	A draft proposal on the use of Sterile Insect Technique (SIT) for exclusionary use in PFAs was provided firstly to DAFF and subsequently to the NFFC for consideration. Further work has been recommended at this stage. Ongoing research is underway in relation to SIT and its application including benefit cost assessments for their use in both the Goulburn / Murray and Riverland regions.
Implement incursion and eradication procedures for exotic incursions on an as-needs basis.		States & Territories	General: Ongoing delivery through QDAF project including deployment and management of trapping networks at international ports and other high-risk pathways. PIRSA: Ongoing response in SA Riverland. NRE Tas: Biosecurity Emergency Preparedness Program, updated Fruit Fly Operations Standard. All States & Territories: Have met requirements to respond to any suspect EPPs.
Implement incursion and eradication procedures in pest free areas in accordance with Australia's National Fruit Fly Management Protocol.		States & Territories	PIRSA: Ongoing response in SA Riverland. Agriculture Victoria: Ag Vic has met requirements to respond to detections of EPPs. NRE Tas: Compliance with national protocols, national audit pass.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Complete translation of all existing regulatory requirements associated with fruit fly for operation under the new Biosecurity Act 2019. This includes updated listings and translation of import processes to work under the Biosecurity Act.		NRE Tas	Fully operational under the Biosecurity Act 2019. Plant Quarantine Act now repealed. Plant Biosecurity Manual 2023 converted to Biosecurity Act inclusive of terminology and listings.
A series of workshops/ exercises will be held to improve internal processes for investigation of EPPs.		Agriculture Victoria	Agriculture Victoria has updated internal procedures when improvements have been identified.
Deliver fruit fly control responsibilities in the areas of Victoria adjacent to Riverland Pest Free Area.		PIRSA	Response activities in Lindsay Point area under MoU with Victoria.
Early Detection and Rapid Response hotline/email contact, support and sharing of best practice knowledge, followed up with targeted regional engagement workshops.		Yarra Valley Fruit Fly Project	Current and still operational whilst funded (end March 2025). Project close (June 2025).
Review and implementation of NSW statewide trapping network.		NSW DPI	Initial review of the Sunraysia, Sydney Basin, Gyra and Murrumbidgee Irrigation Area trapping grid has been undertaken with work ongoing regarding broader statewide network.
Update and implement incursion/ eradication responses response in line with national protocols.		NSW DPI	Ongoing as per current incursion review of Varroa and red imported fire ant.
Implement National Action Plan for Exotic Fruit Flies.		DAFF	Ongoing.
Develop and implement NSW fruit fly action plan.		NSW DPI	Further work required when resources allow.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Transition Port Augusta Qfly SIT factory pilot operation to commercial operation.		PIRSA	Completed 30/11/22 (DAWE-4EKSH327). BAS regional releases completed 1/12/22.
Complete work on biosecurity preparedness for oriental fruit fly and exotic fruit flies.		NSW DPI	This work is ongoing through the Hort Innovation funded project FF18001: Biosecurity preparedness for oriental fruit fly and exotic flies. The first stage of planning completed and second stage of work underway including international literature reviews of existing approaches overseas.
Continue work on ST19017 biosecurity preparedness through developing capacity for in-field detection of spotted wing <i>Drosophila</i> (part of RRD4P project: Boosting diagnostic capacity for plant production industries).		Agriculture Victoria	Completed 25/6/23. RRD4P project 9078081 (Boosting diagnostics).
Communicate potential or identified areas of risk of exotic fruit fly incursion.		DAFF	Ongoing particularly through the current Torres Strait and QDAF project.
Engage with stakeholders on pest prioritisation of exotic fruit flies.		DAFF	Ongoing activity.
Administer the Exotic Fruit Fly in Torres Strait Response Plan to eradicate incursions of exotic fruit fly species from Torres Strait in response to detections from Northern Australia Quarantine Strategy (NAQS) surveillance.		QDAF	Ongoing through the Emergency Response Fund (Deed) mechanism.
Ensure implementation of revised trapping grid in Sunraysia.		NSW DPI	Trapping grid implemented and compliant with requirements.



## 4. Research

Maintain and enhance fruit fly research capability, capacity, and resources, pursuing research and extension that focus on nationally agreed priorities.

Research, development, and extension activities underpin all elements of fruit fly management, including operations, legislation, regulation, market access, biosecurity, and improvements in management practices. Research provides technically justifiable approaches and innovative solutions to enable market access and sustainable production. Capability and capacity must be maintained, and that research, development and extension are prioritised, coordinated, and strengthened through national and international research linkages.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Finalise research on parasitoids for the management of fruit flies in Australia.		Agriculture Victoria	Completed 30/11/22 (DAWE-4EKSH327). BAS regional releases completed 1/12/22.
Deliver the IAEA Coordinated Research Project (CRP): Irradiation Technology for Phytosanitary Treatment of Food Commodities and Promotion of Trade.		QDAF	Work ongoing and closely linked to IAEA Integrated Regulatory Review Service (IRRS) team.
Finalise research on the Hort Innovation project BB19001: Additional cold treatment schedule for Qfly in blueberries for market access to China.		QDAF	Completed and submitted to Hort Innovation.
Complete research on efficacy data to support Methyl Bromide disinfestation treatments against fruit flies.		QDAF	Project nearing completion.
Coordinate the extension of Research Program under the Intergovernmental Agreement on Strengthening Australia's Fruit Fly Management System.		DAFF	Some areas of extension for research undertaken through this program are being explored through Hort Frontiers (i.e. parasitoids and alternative beneficials). The NFFC has been given ongoing carriage of the 'sustainable funding' of the national fruit fly system.
Provision of captured Qfly to research organisations for genetic sequencing, potentially to assist in determining Qfly pathways.		CSIRO	Completed through the respective projects (e.g. QDAF).

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Comparison of manual and automated traps in the field.		Yarra Valley Fruit Fly Project	The findings will be presented to the grower group in the Yarra Valley to choose a pathway forward, post-funded period.
Finalise post-factory pilot of SIT.		NSW DPI	Post-factory pilot project concluded.
Support delivery of DAFF-funded phenology, demography, and distribution of fruit fly project.		States & Territories	All states & territories provided support as required. Project final report drafted for submission.
Ensure delivery of the project: Biosecurity preparedness for Oriental Fruit Fly (FF18001).		NSW DPI	Project on track including completion of key workshop in Sydney post International Fruit Fly Symposium.
Ensure development of the Hort Innovation project FF19000: Sex determination of fruit fly pupa using Near Infrared Spectroscopy.		QDAF	Ongoing research being conducted.
Support delivery of the Australian Centre for International Agricultural Research (ACIAR) project development of area wide management approached for fruit flies in mango for Indonesia, Philippines, Australia, and the Asia Pacific Region.		QDAF	Ongoing.
Continue development of the IAEA Technical Cooperation Project in the Asia and Pacific promoting Food Irradiation by Electron Beam and X-Ray Technology to Enhance Food Safety, Security and Trade.		QDAF	Ongoing.

## 5. Surveillance

Ensure a nationally consistent surveillance framework that clarifies fruit fly distribution, prevalence, and control.

Surveillance systems provide early detection of fruit flies, deliver information for risk analyses, and demonstrate the fruit fly status of an area. They are an integral part of fruit fly management and essential for rapid response and market access.

While surveillance must be done in accordance with agreed standards and protocols, it is also increasingly important that it is efficient, effective, and able to harness information from both specific (programs to formally demonstrate pest presence or absence) and general (drawn from various government or non-government) sources.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Undertake a review of the fruit fly trapping network to ensure that the network is fit for purpose and provides the best outcomes for Victoria.		Agriculture Victoria	Review completed with recommendations planned for implementation.
Undertake surveillance of high-risk pathways for exotic fruit flies, including ports of entry surveillance conducted by states and territories and the Torres Strait surveillance conducted by NAQS.		Agriculture Victoria	Surveillance continues to be undertaken at high-risk entry pathways under the NPHSP. Trap pathways linked to pathway analysis.
Provide a regional and national overview of the fruit fly surveillance and pest status for government and industry stakeholders by collating, integrating, and presenting trapping data in <i>AUSPestCheck®</i> .		Agriculture Victoria	Surveillance data is being uploaded to the NPHSP and JFFLY programs in <i>AUSPestCheck®</i> as required (fortnightly). Some technical issues, including re-entry of data are being resolved as well as data sharing and privacy.
Facilitate and support integrated fruit fly surveillance programs for government and industry stakeholders using <i>AUSPestCheck®</i> .		Agriculture Victoria	Industry has been supported to develop surveillance programs and data collection that meet <i>AUSPestCheck®</i> requirements.
Conduct fruit fly surveillance in mango orchards and packing sheds. Collate and provide the data to PHA for inclusion into <i>AUSPestCheck®</i> .		AMIA	AMIA Industry Biosecurity Officers have conducted ongoing orchard and packing shed surveillance as part of the project. Training regarding uploading to <i>AUSPestCheck®</i> undertaken.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Ensure surveillance meets national standards by updating operating procedures.		NSW DPI	Reviews undertaken and compliant with national standards.
Provide a regional and national overview of the fruit fly surveillance and pest status for government and industry stakeholders by collating integrating and presenting trapping data in <i>AUSPestCheck@</i> .		NSW DPI (cooperating with all jurisdictions)	Progressed nationally via Subcommittee on National Plant Health Surveillance (SNPHS).
Maintain Tasmania's permanent fruit fly trapping grid with associated maintenance as required.		NRE Tas	Effectively maintained with program of network checks- currency.
Further development of an improved set of domestic trade arrangements for Medfly based on the existing ICA arrangements that are accepted for Qfly.		PIRSA	Further development undertaken but protocols not finalised - Qfly prioritised.
Continue preparedness /contingency planning workshops in the SA Riverland and other growing areas to prepare growers for the event that more outbreaks of fruit fly are detected.		PIRSA	Ongoing response in SA Riverland.
Continue to maintain trapping grid for exotic fruit flies in metro Adelaide and in the SA Riverland.		PIRSA	Ongoing commitment.
Continue to invest significantly to eradicate any outbreaks of Medfly and of Qfly in SA.		PIRSA	No Medfly outbreaks - 43 Qfly outbreaks in Riverland.
Continue to maintain a trapping grid of over 7,500 fruit fly traps statewide.		PIRSA	Ongoing commitment.
Further development of research into the use of fruit fly baits and lures to better inform the use of these tools during outbreak response.		PIRSA	The South Australian Research and Development Institute (SARDI) are completing a second and third round of research on fruit fly baits and lures.

Key Stakeholder Activities			
Activity	Activity	Activity	Activity
Implement effective support programs for surveillance, diagnostics, and reporting. Including timely reporting of incursions.		PIRSA	<p>Ongoing commitment and compliance from all states &amp; territories.</p> <p>Implement ongoing phases of the "Restrictions are in place" fruit fly community awareness campaign and will undertake market research for effectiveness to inform future campaigns. Website will continue to be refined.</p> <p>Continue to provide the public with information on activities for the fruit fly outbreaks across metropolitan Adelaide and in the Riverland. This includes sharing information with key stakeholders such as local councils, multicultural community organisations, the Nursery and Gardening Association of SA, the SA Produce Market, horticulture and other retail industry bodies and representatives, sending information to residents within outbreak areas to help with the response, and be proactive in their gardens to help protect SA from fruit fly. An industry bulletin (emailed) and a regular column in the Riverland newspaper will continue to provide updates to targeted stakeholders.</p> <p>Continue delivery of the school's engagement program and community speaking program.</p> <p>Engage with targeted stakeholders in industry and media to promote key messaging to be shared on garden maintenance to reduce fruit fly risks.</p>
Continue to support regional consultative mechanisms in South Australia to engage with industry and other stakeholders.		PIRSA	Ongoing commitment.
Continue area wide management surveillance grid, on farm intensive surveillance, emergency response trapping (additional), and citizen science trapping/reporting.		Yarra Valley Fruit Fly Project	Current and still operational whilst funded (end March 2025). Project close (June 2025).
Facilitate the deployment of RapidAIM Qfly monitoring traps.		GSPFA	Undertaken as required.

## 6. Diagnostics

Maintain and enhance rapid diagnostic capability and capacity to support responses to incursions or outbreaks and to confirm area freedom.

Accurate and rapid fruit fly identification underpins responsiveness to potential incursions or outbreaks and increases the chance of successful eradication. Tools and materials that enhance the ease and throughput of identification of species complexes are of particular value. Confidence in diagnostic capability across a range of established and exotic fruit fly species is fundamental to providing national assurance of area freedom.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Application of LAMP technology to suspect Qfly if initial ID cannot determine species.		Agriculture Victoria	LAMP successfully developed and validated (and utilised) for Qfly and other Australian pest tephritids.
Increase efficiencies in diagnostics and reporting with finalised trap base and implementation.		NSW DPI	Completed under review.
Ensure diagnostic and reporting is in line with national protocols. Including updating operating procedures.		NSW DPI	Completed under review and compliant with national standards.
Maintain diagnostic capacity for rapid diagnosis of fruit fly. This includes dedicated specialist diagnostic expertise.		NRE Tas	Senior entomologist identified as state lead for fruit fly and state expert. Diagnostic capacity and capability maintained. Surge capacity being addressed.
Increase efficiencies in diagnostics and reporting through support programs.		NSW DPI	Ongoing.
Ensure diagnostic and reporting is in line with national protocols.		NSW DPI	Undertaken under review and compliant with national protocols.
Incorporate a national diagnostic standard for Sterile Insect Technique fruit flies in the National Fruit Fly Management Protocol.		DAFF	Ongoing work progressing.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Complete redevelopment of the Australian Plant Pest Database (APPD).		PHA	Ongoing post launch in August 2021.
Complete redevelopment of the Pest and Disease Image Library (PaDIL).		PHA	Completed August 2022.
Continue to verify the performance of diagnostic laboratories for identification of species of interest through appropriate quality management systems.		DAFF	Ongoing.
Expand the National Plant Biosecurity Diagnostic Network (NPBDN) to be the central point for all activities within the national plant biosecurity diagnostics system.		DAFF	Ongoing.
Provide a career pathway for diagnosticians, including through the National Professional Development Program.		DAFF	Ongoing.

## 7. Communication and engagement

Adopt systems and mechanisms for the efficient and effective communication, training, extension, and uptake of fruit fly information by a broad range of audiences.

A cohesive fruit fly management system relies on effective sharing and adoption of relevant information. It improves the quality of decision-making and ensures stakeholders at all levels are better equipped to manage fruit fly challenges. Reliable and up-to-date information is also instrumental in maintaining or enhancing industry competitiveness. Improved communication and engagement across fruit fly management systems will help increase innovation uptake and create shared outcomes.

It is essential that information reaches those who benefit from fruit fly management systems, including consumers, wholesalers, retailers, exporters, importers, transport operators and treatment providers.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Agriculture Victoria to review and implement the 'State-wide communication and media plan' and implement the 'Qfly: Melbourne Metro and fringe communication and engagement plan 2021-2025' to provide consistent key messaging across the state via a seasonal calendar of media, social media, and direct contact with relevant organisations. Continue to support local government by providing fruit fly management information suitable for their use and dissemination and include communications about fruit fly research projects undertaken by Agriculture Victoria Research to assist growers and communities recognise the potential long-term benefits of the research program.		Agriculture Victoria	Seasonal calendar of social media messages has been implemented. Local organisations have been sent brochures for dissemination and links to translated materials have been provided. Queensland fruit fly research webpage has been updated and regional coordinators have been provided with parasitoid information.
Develop and deliver a comprehensive communication and awareness media campaign to enhance delivery of regional strategic messaging across the PFA.		GSPFA	Ongoing as per the Ag Vic funded project. Integrated with the various regional industry extension and communication programs regarding Qfly.



Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Develop and deliver community engagement activities including presentations, field days, markets, and events/production of videos.		GSPFA	Ongoing as per the Ag Vic funded project. Integrated with the various regional industry extension and communication programs regarding Qfly.
Development of newspaper, radio, podcast, web material, social media, articles, other publications, workshops, train the trainer sessions/resources for the general public, "champions", and organisations likely to come across fruit fly in the workplace.		Yarra Valley Fruit Fly Project	Current and still operational whilst funded (end March 2025). Project close (June 2025).
Develop new website called <a href="http://fruitflyexamples.com">fruitflyexamples.com</a> to enable greater engagement with stakeholders.		Yarra Valley Fruit Fly Project	Revamp of the Hort Innovation FF management booklet and development of an e-learning program for QFF management.
Provide representation for Sunraysia industry and government groups.		Agriculture Victoria	Agriculture Victoria contributes to a range of Sunraysia groups including the Murray Valley Advisory Group which includes representatives from Citrus, Table grapes and Summerfruit and its subcommittees.
Provide public information through media and personally through Industry Development Officers, LLS Biosecurity and Compliance Staff.		NSW DPI	Broad spectrum communication plan actioned.
Facilitate the delivery of the 11th International Symposium on fruit flies of Economic Importance in Sydney.		NSW DPI	Successful delivery of the 11th International Symposium held at Macquarie University.
Keep stakeholders informed and engaged on Smart Fruit Fly Management measure activities and progress.		DAFF	Regular project updates prepared, disseminated, and loaded onto the Smart Fruit Fly Management Measure web page.
Ensure DPI representatives are involved in the Sunraysia PFA industry meetings leading to greater engagement.		NSW DPI	NSW DPI representatives regularly involved in Sunraysia PFA meetings.
Undertake national engagement and extension activities to strengthen fruit fly management in Australia.		PHA	Progressed through the DAFF funded Engagement & Extension program. Funding concluded June 2023 with resourcing for new priority activities currently being explored.
Continue to provide maintenance and support for the Prevent Fruit Fly website to enable successful extension of information.		PHA	Ongoing through the Hort Innovation funded Phase 4 NFFC project.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Fruit fly features as a high-profile pest of concern in all of Biosecurity Tasmania's communications. Activities will include timely reminders to the public regarding import requirements and the importance of not introducing fruit flies to Tasmania.		NRE Tas	Separate comms plan in relation to fruit fly inclusive of targeted articles, awareness campaigns, social media etc.
Ongoing communication of fruit fly related research outcomes, news etc through the industry's email newsletter, website, quarterly magazine, and roadshows where and when appropriate.		AMIA	Multiple fruit fly related articles published in Mango Matters newsletter as well as through social channels (e.g. Fruit Fly Placemats).
Regional Governance Groups to develop implementation plans through the area wide management grants program. These plans will include region specific awareness and communications plans focusing on local messaging consistent with state and national campaigns and an annual calendar of communications.		Agriculture Victoria	Regional groups have reviewed their plans and implemented their program. Reporting on the delivered regional specific communication plans underway.
Respond to industry enquiries regarding incompatibility between Qfly spray requirements to comply with ICAs and export Maximum Residue Limits (MRLs) and feedback to GSPFA.		ATGA	Significant industry support work required in relation ICA changes and reviews.
Undertake community engagement through events including stalls to target backyard growers and at research centres.		NSW DPI	Numerous regionally focused community engagement undertaken.
Provide support to grower groups in managing hot spots and increasing public awareness of fruit fly and its control.		NSW DPI	Ongoing activities.

## 8. Cooperation

Maintain and enhance engagement processes that coordinate, progress, and improve fruit fly management systems.

A coordinated national system requires cooperation across disciplines and geographic boundaries toward achieving agreed common goals. Industry, government, research, and community forums all raise awareness of fruit fly issues, determine priorities, direct, and provide resources, and monitor progress. Collectively, these forums represent the national system and are fundamental sources of information and influence that must be connected and serve the national interest.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
The Victorian Government is providing funding for four years under Victoria's Fruit Fly Strategy 2021-2025 for Regional Coordinators and area wide management programs in the three key horticultural areas of the Goulburn Murray Valley, the Yarra Valley and the Greater Sunraysia region.		Agriculture Victoria	Applications for the final round of Victoria's Fruit Fly Strategy grants have closed and the grant applications are going through the approval process. Regional grants have focused on embedding areawide management activities in regional organisations and providing a legacy for the program as the transition to industry and the community will be complete at the end of this round.
Regular meetings with industry leaders and fruit fly experts including regular check-ins with Agriculture Victoria and other co-ordinators.		Agriculture Victoria	The three Regional Governance groups which include Agriculture Victoria, industry representatives and local government have been meeting quarterly with some groups meeting more often to discuss delivery of the grants programs. Regional Coordinators have been meeting monthly with the Agriculture Victoria State-wide Coordinator.
Uphold governance structures that serve to support fruit fly management, including the PHC, AFFTAC and the NFFC.		DAFF	Governance structures including but not limited to the PHC, AFFTAC and the NFFC have been well supported throughout the reporting period.
Coordinate fruit fly management within each jurisdiction, including provision of information to stakeholders.		States & Territories	NRE Tas: Separate comms plan in relation to fruit fly inclusive of targeted articles, awareness campaigns, social media etc.
Contribute to national discussion on fruit fly management through forums such as NFFC activities.		States & Territories	All Chief Plant Health Officers or equivalent represented through the NFFC.

Key Stakeholder Activities			
Activity	Status	Delivery Lead	Update
Develop and amend market access protocols in collaboration with other states and territories.		States & Territories	Focus on Qfly trial protocols - CA 30, CA32 and CA33 for PIRSA. ICA 04 updates in relation to fruit fly as well as bilateral agreements with associated states with respect pre-treatment inspection offshore in addition to border checks in case of Tasmania. Contribution to broader ICA updates by all States & Territories.
Provide expert advice on AFFTAC and research projects.		States & Territories	<p>Active membership by all States &amp; Territories with Senior Entomologist or equivalent.</p> <p>Proposed updates to the National Fruit Fly Management protocol to be presented to PHC63. Issues around future chemical use in fruit fly trapping also to be raised at PHC63.</p> <p>Significant progress has been made towards updating the management guidelines. Three were endorsed at AFFTAC12 (May 2023). Three more are currently in progress.</p> <p>AFFTAC drafted another two documents for approval before presentation to PHC on the technical justification of the current guidelines and accompanying recommendations (including research, literature reviews, funding needs) in order to update the current guidelines. Not yet presented to AFFTAC.</p>