

National Plant Biosecurity Strategy

2022-23 Action Plan

# Acknowledgements

The *National Plant Biosecurity Strategy 2022-2023 Action Plan* (Action Plan) was prepared by Plant Health Australia using funding provided by the Department of Agriculture, Fisheries and Forestry under the Plant Biosecurity Response Reform program.

Development of the Action Plan was guided by the National Plant Biosecurity Strategy Governance Group (Governance Group) which comprises representatives from the following:

* Department of Agriculture, Fisheries and Forestry
* Environment and Invasives Committee
* National Farmers’ Federation
* Plant Biosecurity Preparedness Working Group
* Plant Biosecurity Research Initiative
* Plant Health Australia
* Plant Health Committee
* Plant Industries Biosecurity Committee
* Subcommittee on National Plant Health Surveillance
* Subcommittee on Plant Health Diagnostics.

# Acronyms

|  |  |
| --- | --- |
| AFFTAC | Australian Fruit Fly Technical Advisory Subcommittee |
| APPD | Australian Plant Pest Database |
| ASEAN | Association of Southeast Asian Nations |
| BICON | Biosecurity Important Conditions |
| EIC | Environment and Invasives Committee |
| HACCP | Hazard Analysis Critical Control Point |
| NECBRDES | National Environment and Community Biosecurity Research, Development and Extension Strategy |
| NEWP | National Established Weed Priorities |
| NDP | National Diagnostic Protocol |
| NPBDN | National Plant Biosecurity Diagnostic Network |
| NSP | National Surveillance Protocol |
| PaDIL | Pest and Disease Image Library |
| PSNAP | Plant Surveillance Network Australasia-Pacific |
| SDQMA | Subcommittee on Domestic Quarantine and Market Access |
| SNPHS | Subcommittee on National Plant Health Surveillance |
| SPHD | Subcommittee on Plant Health Diagnostics |

# Introduction

The 2021-2031 National Plant Biosecurity Strategy (the strategy) provides a framework to strengthen Australia’s plant biosecurity system.

The second-generation strategy outlines four focus areas needed to build a resilient and contemporary national plant biosecurity system that will continue to support Australian plant industries, economy, environment and communities.

Designed to inform investment across all aspects of the system, guide efforts to address the most important priorities and effectively manage current and future biosecurity challenges, the strategy builds on the achievements of the 2010-2020 strategy while remaining agile and responsive to the changing biosecurity environment.

The strategy acknowledges the importance of collective effort nationally to achieve the shared vision. This recognises biosecurity is a shared responsibility by all Australians, built on partnerships between governments, plant industries, natural resource managers, land custodians or users, and the community.

The strategy aligns with the Intergovernmental Agreement on Biosecurity and brings together components of national sub-strategies on preparedness, surveillance and diagnostics that support its implementation. It also complements and supports aspects of other key strategies and plans to further strengthen plant biosecurity arrangements over the next decade. These strategies and plans include:

* Australia’s Biosecurity Future
* Australian Weeds Strategy
* Commonwealth Biosecurity 2030
* Decadal Plan for Agriculture
* National Environment and Community Biosecurity Research, Development and Extension Strategy (NECBRDES)
* National Fruit Fly Strategy
* Plant Biosecurity Research Initiative Strategy
* Plant industry surveillance strategies
* State and territory government biosecurity strategies.

# Purpose of the action plan

The Action Plan complements, supports and builds on the strategy in outlining the key activities from 1 July 2022 to 30 June 2023 that contribute to the delivery of the actions and expected outcomes.

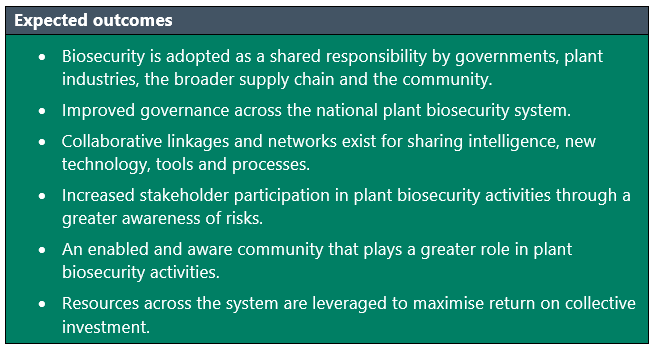
The Action Plan also identifies the lead/champion[[1]](#footnote-1) for each activity to provide transparency and accountability for stakeholders across the system.

This information plays an important role in establishing a framework for monitoring and evaluation while also helping to identify gaps and opportunities for collaboration across the system.

Progress against the Action Plan will be monitored and reviewed by the Governance Group to ensure national, regional and local effort against the strategy remains agile and responsive to changing priorities and a changing biosecurity context.

Annual evaluation reports will be developed to provide an update on implementation. These reports will be presented to various government and industry plant biosecurity committees and made publicly available.

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### ACTION 1.1:

### Establish a shared and agreed understanding of roles and responsibilities for plant biosecurity

| **Activity** | **Lead/Champion** |
| --- | --- |
| Finalise a National Biosecurity Strategy and transition to action planning and implementation, in collaboration with state and territory governments, industry, environment and community stakeholders. | Australian Government |
| Develop a biosecurity brand to increase awareness of the importance of biosecurity and people’s roles in the biosecurity system. | Australian Government |
| Deliver on the Northern Australia Biosecurity Strategy through its implementation plan. | Australian Government |
| Establish a co-funded National Established Weed Priorities (NEWP) facilitator and associated weeds coordinator roles to deliver NEWP outcomes. | Australian Government |
| Complete a mid-point review and finalise the implementation plan for the Australian Weeds Strategy 2017-2027. | EIC - Weeds Working Group |
| Promote the National Plant Biosecurity Strategy together with its sub-strategies and implementation plans on preparedness, surveillance and diagnostics. | Plant Health Australia |
| Deliver awareness raising activities to develop a shared understanding of roles and responsibilities of stakeholders across the national fruit fly system. | Plant Health Australia |
| Develop a paper to clarify the ownership of the National Interstate Certification Assurance Program. | SDQMA |
| Finalise the Tasmanian Plant Biosecurity Surveillance Strategy 2021-2026. | Tasmanian Government |
| Finalise the Biosecurity Statement for Victoria and progress development of a Biosecurity Strategy for Victoria. | Victorian Government |

### ACTION 1.2:

### Strengthen domestic and international connections across the plant biosecurity system

| **Activity** | **Lead/Champion** |
| --- | --- |
| Strengthen work with government, communities, industry, Indigenous groups, veterinarians and other service providers to raise awareness of biosecurity risks in the north. | Australian Government |
| Continue to work with New Zealand to increase our joint intelligence capacity (including concluding an intelligence-sharing arrangement). | Australian Government |
| Finalise the Pacific Biosecurity Strategy 2021-2026. | Australian Government |
| Partner with Papua New Guinea, Timor-Leste and the Solomon Islands to deliver plant health surveillance activities focused on priority production and environment threats. | Australian Government |
| Support continued engagement and participation of Asian and Southwest Pacific region members to the International Plant Protection Convention, including regional standard setting and implementation. | Australian Government |
| Enhance regional plant pest diagnostic and surveillance capability by collaborating with the Association of Southeast Asian Nations (ASEAN) partners. | Australian Government |
| Develop and deliver field trapping and monitoring programs for Oriental fruit fly and other pest fruit flies in the Torres Strait. | Australian Government |
| Deliver the National Plant Health Surveillance Program in collaboration with state and territory governments. | Australian Government |
| Establish a General Surveillance Community of Practice to support stakeholders working on aspects of general surveillance programs. | Australian Government |
| Deliver a forum to promote and support implementation of the National Environmental and Community Biosecurity Research, Development and Extension Strategy (NECBRDES). | NECBRDES National Coordinator |
| Establish a cross-sector working group to identify and coordinate national RD&E priorities in collaboration with key stakeholders. | NECBRDES National Coordinator |
| Deliver a series of online fora on high priority biosecurity topics to identify current and proposed research that may be the focus of co-investment. | Plant Biosecurity Research Initiative |
| Progress key activities under the memorandum of understanding between the Plant Biosecurity Research Initiative, Better Border Biosecurity (B3) New Zealand, Euphresco and the Australian Centre for International Agriculture Research. | Plant Biosecurity Research Initiative |
| Establish an ongoing partnership with the Plant Health Committee to advance the coordination of plant biosecurity research. | Plant Biosecurity Research Initiative |
| Deliver targeted workshops to shape global plant research partnerships. | Plant Biosecurity Research Initiative |
| Establish a joint industry government partnership to enhance collaboration between government and plant industries across northern Australia. | Plant Health Australia |
| Establish a National Forest Pest Surveillance Program to support the early detection of forest pests. | Plant Health Australia |
| Deliver industry-led/facilitated surveillance programs that improve surveillance outcomes for plant industries including CitrusWatch, National Bee Pest Surveillance Program, Sentinal Silo Program and the Grains Farm Biosecurity Program. | Plant Health Australia |
| Hold a joint workshop with the Plant Industries Biosecurity Committee to identify priority activities and build engagement with plant industries. | Plant Health Committee |
| Establish a national network of plant biosecurity professionals to support pest risk decision-making processes underpinning market access assessments. | Plant Industries Biosecurity Committee |
| Establish a formal industry support mentor group through the Plant Industry Forum to support plant industries during a response. | Plant Industry Forum Committee |
| Promote the Plant Surveillance Network Australasia-Pacific Network and the National Plant Biosecurity Diagnostic Network through various channels to attract new members and broaden the reach of the networks. | Plant Health Australia |
| Support regional fruit fly groups to ensure industry and stakeholder engagement. | South Australian Government |
| Strengthen engagement with research and development corporations, the Plant Biosecurity Research Initiative and other funding bodies in relation to diagnostic gaps. | SPHD |
| Undertake a review into the scope of the NBPDN to meet the ongoing needs of the network. | SPHD - Network Implementation Working Group |
| Progress improvements to the NPBDN and PSNAP websites to enhance the user experience and increase the material available for network members. | Plant Health Australia |
| Establish additional partnerships with community gardens around greater Melbourne to assist with ongoing surveillance activities through the Urban Plant Health Network. | Victorian Government |
| Undertake a review of the Victorian fruit fly trapping network to ensure the network is fit for purpose and provides the best outcomes for Victoria. | Victorian Government |
| Deliver a series of symposiums and conferences to build connections, share research outcomes and exchange knowledge and ideas, including the:   * Australian Biosecurity Symposium * Australasian Plant Virology Workshop * Australasian Weeds Conference * Developing Northern Australia Conference * Hort Connections * International Plant Health Conference * International Symposium on Fruit Flies of Economic Importance * National Landcare Conference. | Various |

### ACTION 1.3:

### Improve participation and adoption of plant biosecurity practices

| **Activity** | **Lead/Champion** |
| --- | --- |
| Deliver the 2022 Australian Biosecurity Awards to recognise biosecurity champions across industry, government and the public. | Australian Government |
| Develop a tool to intervene and understand the motivations, barriers and drivers of people who purchase seeds online. | Australian Government |
| Promote on-farm biosecurity practices through the biosecurity module and training sections of the Sustainable Winegrowing Australia Program. | Australian Grape and Wine |
| Complete delivery of a biosecurity extension project for the melon industry to grow capacity and understanding about on farm biosecurity practices. | Australian Melon Association |
| Progress work to raise awareness of biosecurity risks and increase the adoption of farm biosecurity measures among vegetable and potato growers. | AUSVEG |
| Develop materials and resources to support awareness of, and training in, citrus health, the identification of citrus pests and trapping. | Citrus Australia |
| Deliver an extension program to increase awareness, preparedness and recovery support to production nurseries across Australia. | Greenlife Industry Australia |
| Deliver biosecurity extension community meetings for extension practitioners to share knowledge and improve best practice across plant industries. | Plant Biosecurity Research Initiative |
| Coordinate the development of a mobile application (MyPestGuide Trees) to support the identification and reporting of forest pests. | Plant Health Australia |
| Partner with Animal Health Australia to raise awareness and improve the adoption of biosecurity management practices on farms through the Farm Biosecurity Program. | Plant Health Australia |
| Develop Farm Biosecurity Manuals for major plant industries to help producers prioritise and adopt farm hygiene practices. | Plant Health Australia |
| Identify mechanisms to integrate biosecurity best practice as business-as-usual for remote, northern Indigenous-led forestry businesses. | Plant Health Australia |
| Maintain BeeAware as a hub of information for beekeepers and growers about honey bee biosecurity and pollination. | Plant Health Australia |
| Progress improvements to the NPBDN and PSNAP websites to enhance the user experience and increase the material available for network members. | Plant Health Australia |
| Develop website content for the Grain Farm Biosecurity Program on farm hygiene and pest identification to ensure current knowledge is available to assist growers adopt biosecurity measures. | Plant Health Australia |
| Develop website content for the Vegetable Farm Biosecurity on farm hygiene and pest identification to ensure current knowledge is available to assist growers adopt biosecurity measures. | Plant Health Australia |
| Deliver a Biosecurity for Contractors Program for vineyard owners and contractors focused on farm-gate hygiene and biosecurity activities. | Vinehealth Australia |

### ACTION 1.4:

### Develop education and awareness campaigns to better manager plant biosecurity risks

| **Activity** | **Lead/Champion** |
| --- | --- |
| Develop educational resources for growers about Panama disease tropical race 4 (TR4) focusing on surveillance, diagnostics and what to do if TR4 is detected on a farm. | Australian Banana Growers |
| Deliver the Australian Biosecurity Webinar Series to enhance engagement and awareness across the system on priorities and challenges for biosecurity. | Australian Government |
| Deliver the 2022 Environmental Biosecurity Webinar Series to explore case studies, policies, initiatives and research from across the biosecurity system. | Australian Government |
| Deliver targeted biosecurity education campaigns, in multiple languages where relevant, including with a focus on online shoppers. | Australian Government |
| Develop a program on plant health and biosecurity for school‑aged children (years 5-6) in New South Wales to raise biosecurity awareness. | New South Wales Government |
| Deliver information sessions aimed at backyard or local growers about the need to control Queensland fruit fly. | New South Wales Government |
| Finalise a work booklet which provides information and a series of checklists for on-farm biosecurity management. | Northern Territory Government |
| Deliver the National Bee Biosecurity Program to help beekeepers manage pests that are already in Australia and educate and prepare for incursions by exotic pests. | Plant Health Australia |
| Commence work with plant industries to develop a communication plan for the promotion and extension of biosecurity awareness to industry. | Plant Health Australia |
| Develop a plan for a national approach to acknowledge and celebrate International Plant Health Day across the plant health sector in Australia. | Plant Industries Biosecurity Committee |
| Deliver a school engagement program and community speaking program to promote awareness of the role community can play during an incursion. | South Australian Government |

### ACTION 1.5:

### Create opportunities to enhance community and citizen science contributions to plant biosecurity

| **Activity** | **Lead/Champion** |
| --- | --- |
| Expand engagement, training and volunteer biosecurity surveillance activities for citrus pests in urban and peri-urban communities. | Citrus Australia |
| Promote surveillance activities through the Peri-Urban Environmental Biosecurity Network to assist volunteers in performing environmental biosecurity surveillance functions. | New South Wales Government |
| Deliver a Honey Bee Community Surveillance Program in the Northern Territory. | Northern Territory Government |
| Promote surveillance activities through the Urban Plant Health Network to increase general surveillance efforts across Victoria. | Victorian Government |
| Deliver a Pantry Blitz in participating jurisdictions to improve biosecurity awareness and encourage participation in biosecurity activities. | Various |
| Promote weed spotter initiatives to support the early detection and reporting of new and emerging weeds. | Various |
| Support continued engagement with the community and off‑farm stakeholders in regional fruit fly surveillance and management. | Various |

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### ACTION 2.1:

### Establish a common understanding of plant biosecurity risks and management options in the Australian context

| **Activity** | **Lead/Champion** |
| --- | --- |
| Finalise and implement a national action plan for hitchhiker plant pests to enhance Australia’s capacity to prevent, prepare for and respond to the threat of such pests. | Australian Government |
| Commence development of a national action plan for trees and timber and a national action plan for fruit flies to build national capability to prevent and respond to pest and disease threats. | Australian Government |
| Progress development of a threat abatement plan for myrtle rust to a provide coordinated and long-term national response for current and future threats. | Australian Government |
| Establish a Northern Biosecurity Forum to plan and map out biosecurity threats, risks, innovations and approaches. | Australian Government |
| Undertake a review of surveillance design and analysis documentation for building consistent national approaches. | Australian Government |
| Monitor the performance of the pest record specifications to ensure that data supports national analysis and reporting. | Australian Government |
| Commence development of a national action plan for the management of Phylloxera to raise awareness and improve preparedness for the grape and wine sector. | Australian Grape and Wine |
| Finalise a National Established Weed Priorities framework and implementation plan to provide a strategic approach for reducing the spread and impacts of established weeds. | EIC - Weeds Working Group |
| Develop and implement a New South Wales action plan for fruit flies. | New South Wales Government |
| Develop a decision tool to assist in identifying which pests will be the target of eradication and which pests will likely be transitioned to management if detected in Australia. | Plant Biosecurity Preparedness Working Group |
| Develop biosecurity plans covering Australia's plant industries that highlight focus areas to improve preparedness for plant pest incursions. | Plant Health Australia |
| Maintain and update the Pest Information Document Database. | Plant Health Australia |

### ACTION 2.2:

### Develop an ongoing understanding of capacity and capability gaps across the national plant biosecurity system

| **Activity** | **Lead/Champion** |
| --- | --- |
| Complete phase 1 of a national emergency preparedness exercise program (Exercise Paratus) and refreshed biosecurity emergency management arrangements. | Australian Government |
| Commence an audit on fruit fly management systems across all jurisdictions. | Australian Government |
| Conduct a gap analysis to identify existing and additional/new capabilities required to perform key surveillance roles. | Australian Government |
| Undertake a comprehensive analysis of national biosecurity RD&E capabilities to identify gaps and address vulnerabilities. | NECBRDES National Coordinator |
| Complete an assessment to identify the critical gaps in preparedness of the top National Priority Plant Pests to assist with the prioritisation of preparedness activities. | Plant Biosecurity Preparedness Working Group |
| Commence development of a national diagnostics and surveillance capability plan to identify and prioritise activities for priority plant pests. | Plant Health Australia |
| Review the National Professional Development Framework for the PSNAP to identify gaps in professional development activities. | SNPHS - Plant Surveillance Network Working Group |
| Review of the National Professional Development Framework for the NPBDN to identify gaps in professional development activities. | SPHD - Network Implementation Working Group |
| Complete an evaluation of human capacity and consider other resource requirements for the identification of National Priority Plant Pests. | SPHD - Reference Collections Implementation Plan Working Group |
| Complete a mapping exercise of NDPs and NSPs to provide an assessment of obstacles or issues that may prevent protocol development. | SPHD & SNPHS |

### ACTION 2.3:

### Develop the skills and knowledge required to support the ongoing needs of the national plant biosecurity system

| **Activity** | **Lead/Champion** |
| --- | --- |
| Deliver study tours, study trips or residentials to increase knowledge and awareness of high priority pests and improve biosecurity preparedness activities. | Citrus Australia |
| Support research for a PhD candidate to better understand the range of psyllids found in Australian citrus orchards with the potential to vector Huánglóngbìng. | Citrus Australia |
| Establish a Plant Health Student Network to connect students and early career researchers working in plant biosecurity and plant health-related fields. | Plant Biosecurity Research Initiative |
| Support the Ritman Scholarship to recognise students with a commitment to plant health. | Plant Biosecurity Research Initiative |
| Develop eLearning content to improve biosecurity awareness and help support effective responses to plant biosecurity incidents. | Plant Health Australia |
| Deliver industry liaison training workshops in collaboration with state and territory governments. | Plant Health Australia |
| Deliver an Oriental Fruit Fly simulation exercise. | Plant Health Australia |
| Develop a draft resource package/toolkit to support signatories to the Emergency Plant Pest Response Deed to extend training on national arrangements to growers and local industry groups. | Plant Health Australia |
| Deliver the 2022 Annual Diagnostics and Surveillance Workshop with the theme "Integrated to Inspire and Innovate". | Plant Health Australia |
| Deliver the 2023 Annual Diagnostics and Surveillance Workshop. | Plant Health Australia |
| Deliver a PestBlitz workshop to build the skills of early career diagnosticians in field triage, sample collection and processing. | Plant Health Australia |
| Coordinate the delivery of expert forest surveillance training to assess tree health and service traps as part of the National Forest Pest Surveillance Program. | Plant Health Australia |
| Deliver training to improve data literacy across surveillance practitioners and use surveillance tools such as AUSPest*Check*®. | Plant Health Australia |
| Develop a trap inspector training package for Queensland fruit fly. | Queensland Fruit Fly Yarra Valley |
| Develop and deliver a biosecurity response training package suitable for Torres Strait Islanders and Northern Peninsula Area residents who may need to deliver a rapid response in the region. | Queensland Government |
| Coordinate the delivery of the Surveillance Residential Program to support professional development for improving surveillance capability and capacity. | SNPHS - Plant Surveillance Network Working Group |
| Coordinate delivery of Diagnostic Residential Program to support professional development for improving diagnostic capability and capacity. | SPHD - Network Implementation Working Group |
| Deliver targeted training workshops focused on specific elements of plant pest diagnostics and plant health surveillance. | SNPHS - Plant Surveillance Network Working Group SPHD - Network Implementation Working Group |

### ACTION 2.4:

### Ensure systems, policies and infrastructure are available for all aspects of plant biosecurity

| **Activity** | **Lead/Champion** |
| --- | --- |
| Identify issues to be addressed or complementary activities that need to be implemented to support a nationally coordinated approach to surveillance and management of fruit flies. | AFFTAC |
| Undertake a review of the National Plant Health Proficiency Testing Program. | Australian Government |
| Undertake a review of elements and processes required to apply for an import permit for live positive controls and confirmatory testing of suspect specimens in the Biosecurity Important Conditions (BICON) system. | SPHD |
| Complete delivery of the annual National Plant Health Proficiency Testing Program with participating NPBDN laboratories. | SPHD |
| Develop and implement an Australian National Quality Assurance Program taxonomic specimen roster. | SPHD - Diagnostic Protocols Working Group |
| Undertake a comprehensive review of Reference Standards 2, 3 and 4 which provide directions on protocol development, endorsement and verification. | SPHD - Diagnostic Protocols Working Group |
| Address recommendations from the 2021 Review of the National Diagnostic Protocol Endorsement Process. | SPHD - Diagnostic Protocols Working Group |
| Finalise standards for reference collection specimen curation/vouchering. | SPHD - Reference Collections Implementation Plan Working Group |

### ACTION 2.5:

### Use appropriate investment allocation models to fund and coordinate plant biosecurity system and reform efforts

| **Activity** | **Lead/Champion** |
| --- | --- |
| Investigate non-conventional investment opportunities to leverage resources for environment and community biosecurity RD&E from other funding sources. | NECBRDES National Coordinator |
| Finalise the National Forest Pest Surveillance Collaboration Agreement between governments and the plantation timber industry to fund and deliver an early detection program for forest pests. | Plant Health Australia |
| Progress work with stakeholders to develop a nationally integrated surveillance system for plant pests. | Plant Health Australia |
| Develop a framework for a national investment package aimed at providing a harmonised and consistent approach to funding key national systems and initiatives. | Plant Health Committee |





### ACTION 3.1:

### Encourage the early adoption of new technologies to improve the detection, identification and prioritisation of plant pests and weeds

| **Activity** | **Lead/Champion** |
| --- | --- |
| Conduct a Global Biosecurity and Trade Technology Challenge to identify emerging technology and uncover novel ideas to support a proactive approach to managing emerging biosecurity risks at the Australian border beyond the next five years. | Australian Government |
| Investigate the use of emerging technologies to develop rapid and user friendly in field tools for testing target pathogens. | Australian Government |
| Progress work on iMapPESTS to help Australia’s plant industries more effectively manage airborne pests and pathogens. | Hort Innovation |
| Implement a pilot program to assess the viability and effectiveness of prophylactic baiting for exotic invasive ants at high-risk sites in the Northern Territory. | Northern Territory Government |
| Undertake research into the use of fruit fly baits and lures to better inform the use of these tools during a fruit fly outbreak. | South Australian Government |
| Commence development of a framework to progress the integration of high throughput sequencing into the national plant biosecurity diagnostic system. | SPHD - High Throughput Sequencing Working Group |

### ACTION 3.2:

### Develop and maintain decision-making tools, policies and processes to manage plant biosecurity risks

| **Activity** | **Lead/Champion** |
| --- | --- |
| Undertake a review of emerging research for actionable technical components that can integrate into Australia’s National Fruit Fly Management Protocol. | AFFTAC |
| Develop delivery guidelines and references covering pre‑outbreak, post-outbreak reinstatement and system controls to support Australia’s National Fruit Fly Management Protocol. | AFFTAC – Delivery Guideline Working Group |
| Release the Exotic Environmental Pest List Implementation Plan detailing work to continue to reduce the establishing risk of exotic environmental pests, weeds, and diseases. | Australian Government |
| Deliver updates to improve the accuracy and currency of the National Fruit Fly ID Australia website as the nationally recognised tool for fruit fly. | Australian Government |
| Formalise a national Sterile Insect Technique policy for consistent application of this technology to manage fruit flies. | Australian Government |
| Complete a review of the National Wine Biosecurity Strategy and the wine sector biosecurity policy/position statement. | Australian Grape and Wine |
| Finalise the Avocado Industry Biosecurity Strategy 2022-2026. | Avocados Australia |
| Finalise the Citrus Industry Biosecurity Strategy 2022-2027. | Citrus Australia |
| Undertake a gap analysis to determine the need for a revised National Surveillance and Diagnostic Framework for new weeds (incursions and naturalisations). | EIC - Weeds Working Group |
| Progress efforts to enhance plant pest identification resources that support production nurseries across Australia. | Greenlife Industry Australia |
| Develop a cross-strategy framework and supporting extension materials targeted at potential investors to outline shared RD&E priorities. | NECBRDES National Coordinator |
| Finalise the New South Wales Biosecurity and Food Safety Strategy 2020-2030. | New South Wales Government |
| Develop treatment protocols and risk management advice for the American serpentine leafminer to assist industry and Northern Territory growers. | Northern Territory Government |
| Undertake a targeted risk assessment of invasive ant movement pathways into and within northern Australia. | Northern Territory Government |
| Progress five NDPs (NDPs for advancement to be confirmed) through development and review with technical input provided as required. | Plant Health Australia |
| Finalise a quick reference guide for use in the field to support surveillance activities as part of the National Bee Pest Surveillance Program. | Plant Health Australia |
| Develop a discussion paper that works towards establishing nationally agreed baselines/standards to enable area freedom claims based on appropriate levels of surveillance. | Plant Health Committee - Pest Free Area Working Group |
| Develop a discussion paper to progress the development of agreed industry data collection standards to increase our ability to use industry data to support area freedom claims. | Plant Health Committee - Pest Free Area Working Group |
| Evaluate the most appropriate domestic pest risk analysis framework to support decision-making and market access assessments. | Plant Industries Biosecurity Committee |
| Progress Panama TR4 research projects in collaboration with key partners to help the banana industry with future disease management. | Queensland Government |
| Finalise NSPs for citrus canker, spongy moth, brown marmorated stink bug, varroa, khapra beetle, fire blight, *Anoplophora sp*.. | SNPHS - National Surveillance Protocol Working Group |
| Undertake research into the use of fruit fly baits and lures to better inform the use of these tools during a fruit fly outbreak. | South Australian Government |
| Develop a framework to provide a SPHD recognition for non‑NDP diagnostic resources. | SPHD - Diagnostic Protocols Working Group |
| Provide regular updates on progress of non-NDP resources for priority and emerging pests. | SPHD - Diagnostic Protocols Working Group |
| Develop a prioritised approach to the development of NDPs and NSPs for National Priority Plant Pests. | SPHD - Diagnostic Protocols Working Group SNPHS - National Surveillance Protocol Working Group |
| Conduct a review of the fundamental principles underpinning the management of Potato Cyst Nematode. | Victorian Government |

### ACTION 3.3:

### Enhance arrangements to protect production and environmental assets and improve market access

| **Activity** | **Lead/Champion** |
| --- | --- |
| Complete the redevelopment of Australia’s National Fruit Fly Management Protocol to improve market access for Pest Free Areas. | AFFTAC |
| Develop technical requirements for a Pest Free Place of Production assessment framework for fruit fly endemic areas. | AFFTAC – Market Access Working Group |
| Coordinate the development, management and endorsement of contingency plans for priority plant pests. | Plant Biosecurity Preparedness Working Group |
| Progress work to develop a National Biosecurity Assurance System to support continued trade in a number of circumstances. | Plant Health Committee |
| Complete a review of two Interstate Certification Assurance protocols relevant to fruit flies to determine the minimum data requirements. | Plant Health Committee - Interstate Certification Assurance Working Group |
| Progress work to address inconsistencies in market access protocols for intra and interstate trade of plants and plant products. | Plant Industries Biosecurity Committee |
| Commence work with various industry partners to help horticulture growers manage supply chain risks and minimise produce loss. | Queensland Government |
| Progress work on new systems approaches to support trade and help South Australian growers manage fruit fly risks. | South Australian Government |
| Deliver preparedness and contingency planning workshops in the South Australian Riverland and other growing areas to help prepare growers for fruit fly outbreaks. | South Australian Government |
| Develop an improved set of domestic trade arrangements for Medfly based on the existing Interstate Certification Assurance arrangements that are accepted for Queensland fruit fly. | South Australian Government |
| Complete a review of jurisdictional entry requirements reflected in priority documents to support the Interstate Trade System. | SDQMA |
| Conduct a review of grape phylloxera control orders for Phylloxera Infested Zones and Phylloxera Exclusion Zones. | Victorian Government |

### ACTION 3.4:

### Strengthen national response, recovery and relief arrangements for plant biosecurity incidents

| **Activity** | **Lead/Champion** |
| --- | --- |
| Commence the development of a national model for funding recovery activities associated with plant biosecurity incursions. | Australian Government |
| Commence the development of national recovery principles in collaboration with plant biosecurity stakeholders. | Australian Government |
| Establish an Issue Resolution Group to explore the development of national partnership arrangements for responding to Emergency Plant Pests that are not feasible to eradicate or successful eradication is doubtful. | Plant Health Australia |
| Finalise variations to the Emergency Plant Pest Response Deed that improve financial reimbursement arrangements for commercial growers represented by plant industry signatories. | Plant Health Australia |
| Finalise a plan for the transition of Panama TR4 disease management from the Queensland Government to the banana industry. | Queensland Government |
| Develop awareness material to support fruit fly affected communities and industries in South Australia through Phase 2 of the "Restrictions are in place" fruit fly community awareness campaign. | South Australian Government |

### ACTION 3.5:

### Support efforts to enhance the adoption of best practice plant biosecurity related legislation and regulation

| **Activity** | **Lead/Champion** |
| --- | --- |
| Progress work to establish a Biosecure Hazard Analysis Critical Control Point (HACCP) as a third-party plant health accreditation scheme in the Northern Territory. | Northern Territory Government |
| Deliver amendments to the Northern Territory *Plant Health Act 2008* to better manage plant biosecurity activities and risks. | Northern Territory Government |
| Transition the declared plant pest and disease lists under the Plant Quarantine Act 1997 to the new categories of biosecurity matter under the Biosecurity Act 2019. | Tasmanian Government |
| Deliver amendments to the *Plant Biosecurity Act 2010 and the Plant Biosecurity Regulations 2016* to improve interpretation and administration. | Victorian Government |
| Commence a statutory review of the *Biosecurity and Agriculture Management Act 2007.* | Western Australian Government |
| Deliver an education and awareness campaign around the General Biosecurity Duty. | Various |



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### ACTION 4.1:

### Implement and maintain interoperable and integrated national knowledge and information management systems

| **Activity** | **Lead/Champion** |
| --- | --- |
| Establish a digital reform roadmap for biosecurity, guided by a new Digital Reform Division, which maximises integration with government and industry systems. | Australian Government |
| Progress the development of a national high throughput database to ensure digital connectiveness between plant biosecurity diagnostics and surveillance systems. | Australian Government |
| Progress the development of a field application to increase efficiency and improve data collection across the CitrusWatch program. | Citrus Australia |
| Finalise agreed data standards for use across the CitrusWatch program to support data collection. | Citrus Australia |
| Modernise phytosanitary risk management for biosecurity and trade. | CSIRO |
| Maintain AUSPest*Check*® as an accessible national repository of plant biosecurity surveillance data. | Plant Health Australia |
| Maintain the Australian Plant Pest Database (APPD) and Pest and Disease Image Library (PaDIL) as an accessible national repository of plant biosecurity data. | Plant Health Australia |
| Deliver updates to improve the accuracy and currency of the National Fruit Fly ID Australia website. | Plant Health Australia |
| Progress the implementation of a national electronic certification system to improve national fruit fly management. | South Australian Government |
| Maintain MAX as a software platform for managing, collecting and reporting textual and spatial data. | Victorian Government |
| Maintain Trap Base as a database system to support plant biosecurity surveillance and response integration. | Victorian Government |

### ACTION 4.2:

### Enhance analytics capability for plant biosecurity decision making

| **Activity** | **Lead/Champion** |
| --- | --- |
| Develop a plant health surveillance data store within the Biosecurity Analytics Centre to store structured National Border Surveillance, Northern Australia Quarantine Strategy and National Plant Health Surveillance Program data. | Australian Government |
| Create a national library of data to support the plant health community in preparing, managing and mitigating plant disease outbreaks across Australia’s agricultural sectors. | Bioplatforms Australia |
| Complete a proof-of-concept project using a cloud-based decision support platform (Biosecurity Commons) for modelling and analysing biosecurity risk and response. | Griffith University |
| Progress priority tasks in the National Plant Pest Reference Collections Strategy Implementation Plan with funding proposals developed for relevant projects. | SPHD - Reference Collections Implementation Plan Working Group |

### ACTION 4.3:

### Drive the adoption of research, development and extension activities across all aspects of plant biosecurity

| **Activity** | **Lead/Champion** |
| --- | --- |
| Produce a prospectus of potential investment opportunities arising from the Rural R&D for Profit Boosting Diagnostics project. | Grains Research and Development Corporation |
| Conduct a review of literature and learning across biosecurity and cross-over disciplines to identify and translate research findings relevant to environment and community biosecurity. | NECBRDES National Coordinator |
| Deliver workshops to prioritise cross-sectoral concepts for RD&E that align to the six key focus areas of the Plant Biosecurity Research Initiative. | Plant Biosecurity Research Initiative |
| Develop and contract cross-sectoral plant biosecurity RD&E that achieve beneficial biosecurity outcomes. | Plant Biosecurity Research Initiative |
| Establish an engagement hub that provides information of fall armyworm research, development and extension activities for horticulture. | Queensland Government |

### ACTION 4.4:

### Measure and assess the performance of the national plant biosecurity system by engaging stakeholders from across the biosecurity spectrum

| **Activity** | **Lead/Champion** |
| --- | --- |
| Deliver a virtual fora to provide an update on implementation of national action plans for Xylella and Khapra Beetle. | Australian Government |
| Finalise a performance evaluation framework to measure and describe the health and performance of the national biosecurity system. | Victorian Government |

1. The lead/champion is the entity, organisation or group responsible for delivery and best placed to provide an update on the progress of an activity. [↑](#footnote-ref-1)