Harcourt Valley Fruit Fly Regional Action Plan 2018-2019

1. Vision statement

Harcourt Valley Landcare aims to achieve the development of a Harcourt Valley Fruit Fly Action Group to build awareness and prevention of Queensland Fruit Fly (QFF) in the Harcourt Valley as part of their first Action Plan. Harcourt Valley aims to prevent fruit-fly from establishing in the area.

2. Objectives of the 2018-2019 Plan

- 1. The Harcourt Valley has strengthened fruit fly management through coordination and collaboration between industry, government and community.
- 2. Fruit fly prevention practices in the Harcourt Valley region is improved in commercial orchards and vegetable farms, vineyards, backyards, small-scale self-sufficent farms and other areas.
- 3. Prioritisation of future programs of work, research and awareness to prevent and manage potential fruit fly incursion in Harcourt Valley.

3. Key long-term outcomes for fruit fly action in Harcourt Valley

- Coordinated, sustainable and cost-effective prevention of fruit fly in the Harcourt Valley for all landholders and communities with fruit trees.
- Coodinated, sustainable and cost-effective management of fruit fly in the Harcourt Valley for all landholders and communities with fruit trees, if or when relevant.
- Domestic trade of fruit from the Harcourt Valley is maintained and improved through phytosanitary controls (plant health certification) acceptable to trading partners.
- Decision making for QFF management in the Harcourt Valley that is informed by relevant and timely research, development and extension (RD&E).
- Lobby for regional recognition by trading partners, government and industry as an Area of Low Pest Prevelance (ALPP) once certification becomes available.

4. Summary of Harcourt Valley Action Plan Stages

Stage 1 - Year one: 2018-2019

Harcourt Valley Landcare was successful in obtaining a \$4,000 grant to develop the first fruit fly action plan for Harcourt Valley. This first action plan focuses on a targeted group of stakeholders, brought together to focus on developing a new fruit fly action group for Harcourt, appropriate preventative measures including tree removal and monitoring programs to reduce risk of fruit fly outbreaks, and to start increasing awareness in the community. This Action Plan was adapted from the Goulburn Murray Valley Action Plan for 2018-2019 and will be used to build an ongoing program of fruit fly prevention, management, research and awareness into the future.

Stage 2 and beyond - Year two: 2019 - 2020, 2020+

It is envisaged that a coordinated fruit fly action group in Harcourt will work in partnership with agencies, researchers and the community to develop a funded program of works in Harcourt Valley. The ongoing program of works include, but will not be limited to:

- A monitoring program, using landowners and citizen scientists
- Rogue tree and disused orchard removal
- A waste management strategy for orchards and affected fruit
- Education and awareness in local communities, including landholders and backyard growers
- Preparedness workshops: trap building, baiting and insecticide management
- A dedicated paid Fruit Fly Officer for Harcourt Valley
- A research program for evidence based management of fruit fly in Harcourt Valley
- Lobby for an Area of Low Pest Prevalance certification process
- Lobby for inclusion within the Hort Innovation SIT male sterilization program when it becomes available
- Consideration of an emergency response plan

It is anticipated that successive action plans will review previous action plans, build on the works undertaken and broaden stakeholder engagement. Future action plans will focus on obtaining funding for works, and implementing on-ground actions.

5. Brief background

Harcourt Valley is a small apple-growing area in Central Victoria, 90 minutes north of Melbourne and 30 minutes south of Bendigo. Our area consists of Harcourt township and the region included in the Harcourt Valley Landcare (see Figure 1). Our community has been growing apples in Harcourt since 1857 and produces 40% of Victoria's apples as well as pears and stone fruit. Apples are synonymous with the Harcourt brand, which attracts tourists and tree-changers. Together with the local cidery and wine industries, fruit growing employs many people in our community.



Figure 1 – Harcourt Valley fruit fly action area (sourced from Google Maps, 24 October 2018)

Despite this, Harcourt Valley is drastically unprepared for the significant threat Queensland fruit fly (*Bactrocera tryoni*) poses. Although the orchard industry is lively, many orchards have been closed since Harcourt's fruit-growing hey-day in the 1950s. This has left acres of neglected fruit trees that offer the perfect breeding ground for fruit fly. With fruit fly already confirmed in Bendigo, Harcourt is at risk of becoming the next fruit-fly hotspot. Since fruit from Harcourt Valley orchards are processed in the Yarra and Goulburn Valleys, and sold into markets (wholesale and Farmers Markets), the Valley has the potential to act as a stepping stone to other parts of Victoria.

In March 2018, there were two unconfirmed (e.g. no samples seen or identified by Authorities) reports of fruit fly in Harcourt Valley backyards. These reports were from credible sources. Following from this, the fruit growing community in the Harcourt Valley commissioned this Fruit Fly Action Plan to identify means by which fruit fly incursion into the Harcourt area can be prevented. We also acknowledge that whilst Harcourt Valley has only had two unconfirmed cases of fruit-fly, and one unconfirmed case in Castlemaine, we need to prepare for potential incursion and associated management in the future.

This first fruit fly action plan is the result of collaboration between commercial growers in the area (orchards, vineyards, vegetable), local residents with backyard fruit trees, small-scale self-sufficent farmers, council, community members, and other fruit growing areas to collaborate on the future of fruit fly prevention in Harcourt Valley.

Best practice fruit fly invasion prevention within home gardens includes a holistic management approach, including but not limited too: fruit fly monitoring and trapping; exclusion; removal of unwanted host plants; baiting; cover; spraying; hygiene; management required to care for fruit trees; voluntary consideration of planning non-host species when unable to manage the plants etc. Commercial best practice includes monitoring, baiting and insecticide applications, and increasing biodversity and ecological function. International and domestic protocols to control fruit fly invasion include post-harvest treatments such as fumigation, irradiation, cold treatment and different combinations of cold and fumigations treatments. These treatments often limit fruit storage life and affect the quality of fruit sent to markets.

The *Managing Fruit Fly in Victoria Action Plan 2015-2020* was designed to provide key actions required to manage fruit fly across Victoria. This state-wide action plan (SWAP), was developed by the Victorian Government in conjunction with industry and the community, and focused on three main action areas:

- 1. Strengthening the coordination and collaboration of fruit fly management
- 2. Improving the management of fruit fly
- 3. Enabling intrastate, interstate and international trade.

The Fruit Fly Action Plan presented below is aligned to the SWAP. Tasks, responsibilities for these tasks, and how the plan aligns with the SWAP is presented, along with an outline of actions needed to progress this action plan at a later date.

6. Key activities for 2018-2019

Priority activities to prevent fruit fly incursion within Harcourt Valley during 2017-2018 are listed in the tables presented in the following sections.

The following list includes activities of particular pertinence to Harcourt Valley:

- Establish a Harcourt Valley Fruit Fly Action Group
- Individuals/groups will conduct and share research on current fruit fly knowledge available. Knowledge should be from reliable sources and based on robust science
- Community engagement and education
- A tree removal program plan
- A fruit fly monitoring plan

As QFF is a long-term and ongoing issue for Harcourt Valley, there will need to be continued group momentum to implement this and subsequent plans. Some ways of doing this may include:

- Harnessing local QFF champions in towns around the broader Mount Alexander area
- Program of engagement to bring the community on the QFF journey
- QFF information evenings and "show and tell", sharing stories of failure and success
- Finding sources of ongoing funding e.g. council QFF position
- Partner with other organisations to implement the plan

Momentum building activities have been added in the Objectives listed below.

Objective 1: The Harcourt Valley region has strengthened fruit fly management through coordination and collaboration between industry, government and community.

Key Activities

- 1.1 Form a Harcourt Valley Fruit Fly Action Group
- 1.2 Undertake Harcourt Valley Fruit Fly Action Group meetings to coordinate and implement the 2018-2019 plan
- 1.3 Ensure the Action Group establishes a relationship with other regions, states and national fruit fly programs

#	Key activity	Rationale			
1.1	Form a Harcourt Valley Fruit Fly	To ensure collaboration, good governance and project delivery,			
	Action Group	and harnessing of the groups' multidisciplinary skills to			
		implement the Plan regionally.			
Task	rs	Responsible	Priority rating	Due date	Alignment
			(20% time)		SWAP
To ic	lentify key stakeholders in the	Harcourt Valley	High	Ongoing	1, 2
Harc	ourt Valley area	Fruit Fly Action			
		Group			

		T		1	1
Establish a Harcourt Fruit Fly Action		Harcourt Valley	Very High	31/11/18	1, 2
	up as a sub-committee of	Fruit Fly Action			
Hard	court Valley Landcare.	Group			
To d	etermine key roles and functions	Harcourt Valley	Very High	31/11/18	1, 2
of th	e Harcourt Fruit Fly Action	Fruit Fly Action			
Grou	up. Group to read Harcourt Valley	Group			
Actio	on Plan <i>, Managing Fruit Fly in</i>				
Victo	oria Action Plan 2015-2016 and				
und	erstand SWAP.				
#	Key activity	Rationale			
1.2	Undertake Harcourt Valley Fruit	To ensure collabor	ation, good gover	nance and pro	oject delivery,
	Fly Action Group meetings to	and harness the sk	ills of the group to	implement t	he Plan.
	coordinate and implement the				
	2018-2019 plan				
Task	(S	Responsible	Priority rating	Due date	Alignment
			(10% time)		SWAP
Doci	ument and monitor progress	Harcourt Valley	High	Quarterly	
agai	nst the plan quarterly	Fruit Fly Action			
		Group			
Wor	k with partner organisations to	Harcourt Valley	High	Ongoing	1, 2
	ertake actions in the plan – see	Fruit Fly Action			
	ective 3 below	Group			
	ermine Action Group members	Harcourt Valley	Very High	31/11/18	1, 2
	will coordinate, monitor and	Fruit Fly Action	, ,		,
impl	ement the plan	Group			
#	Key activity	Rationale			
1.3	Ensure the Action Group	To ensure that info	ormation is shared	amongst the	Harcourt
	establishes a relationship with	Valley Community		-	
	other regions, states and	in knowledge of fr	•		
	national fruit fly programs	Harcourt Valley.	,		
Task		Responsible	Priority rating	Due date	Alignment
		,	(10% time)		SWAP
Cho	ose a representative of the	Harcourt Valley	Medium	Ongoing	1, 2
	court Valley Action Group or the	Fruit Fly Action			
	position to connect with other	Group and			
•	on, state and national programs.	Representative,			
_	nd meetings, determine synergies	Council			
	veen groups and learn from				
	erts in fruit fly				
	representative/paid position	Harcourt Valley	Medium	Ongoing	1, 2
	ocates for longer-term planning,	Fruit Fly Action		36	'-
	urcing and alignment between	Group			
	regions at a state and national	Representative,			
	I to ensure sustainability.	Council			
ICVC	res chaure sustainability.	Council	1		

Objective 2: Fruit fly prevention practices in the Harcourt Valley region is improved in commercial orchards and vegetable farms, vineyards, backyards, small-scale self-sufficent farms and other areas.

2.1 Increase awareness of best practice with commercial producers and community

- 2.2 Develop a plan for unwanted or unmanaged host species e.g. rogue trees, old orchardsand blackberries
- 2.3 Develop a Harcourt Valley Fruit Fly Monitoring Plan
- 2.4 Consider the need for an Emergency Outbreak Plan

#	Key activity	Rationale			
2.1	Increase awareness of best	Awareness of best	management pra	ctice by comn	nercial
	practice with commercial	horticulture produ	-	-	
	producers and community	prevention of fruit	fly in the region.		
Tasks		Responsible	Priority rating (20% time)	Due date	Alignment SWAP
curr grow througues know mail shar mar app bait mar trap trap mar tree info	re knowledge of good quality ent research and practice to fruit wers. This could be made available ough tours, research, reviews, at speakers, collation of wledge, information evenings, lout, websites etc. Knowledge ring could include holistic roaches, case studies, hygiene, ing, netting, waste management, ragement strategies for incursion, making workshop, light attracting is, wintering habits and ragement, risks of abandoning is and vegetables, biotrap rmation night etc.	Harcourt Valley Fruit Fly Action Group to coordinate knowledge share and community to be responsible for gathering and sharing knowledge	Very High	30/6/19	1, 2
and	age stakeholders in the review workshop for the 2018-2019 on Plan	Harcourt Valley Landcare and Consultant	High	14/12/18	1, 2
Makinfo com stuc fruit conf mar tree and gard wor mar	the Action Plan and fruit fly rmation available to the broader amunity. This will include case lies, a guide on how to recognise of fly, what to do if fruit fly I.D. is firmed, wintering habits and hagement, risks of abandoning as and vegetables, affected plants holistic management for home dener, trapping and trapping kshops, netting, waste hagement etc.	Harcourt Valley Fruit Fly Action Group and partner organisations (e.g. Council, Growing Abundance etc)	Very High	14/12/18	1, 2

webs resid disse common cent common weel inter educ	sites (including Ag Vic QFF site), Facebook, mail out to lents/letter drop, council emination, schools, partner with munity organisations, garden res, Bendigo Fruit Fly group and munity trap kends/workshops, flyers, ractive participation based sation, information evenings, acil website, newspaper articles Key activity Develop a plan for unwanted or	Rationale Unwanted or unma	anaged host trees	can provide br	reeding sites
	unmanaged host species e.g. rogue trees, old orchards and blackberries	or Unwanted or unmanaged host trees can provide breeding for fruit fly that pose significant risk to commercial orchard home gardeners			_
Task	s	Responsible	Priority rating (25% time)	Due date	Alignment SWAP
Identify a member of the Harcourt Valley Fruit Fly Action Group to be responsible for the development of a rogue tree and old orchard plan		Harcourt Valley Fruit Fly Action Group	Very High	14/12/18	1, 2
orch	elop a plan for rogue and old ard management, including but imited to: Tree register for host trees Roadside tree removal and blackberry management Set of criteria for the removal of trees/plants/orchards Negotiate with public (e.g. council) and private landholders to ensure they are aware of their obligations in relation to unmanaged host trees and plants e.g weeds of national significance. Identify areas of neglected trees and their owners Works plan to remove trees Seek funding (see 3.3 below) — council, grants etc Community awareness campaign and voluntary tree removal program	Harcourt Valley Fruit Fly Action Group and Responsible Member	Very High	31/6/19 – for plan, actions will be ongoing	1, 2

	 Utilise what other areas have 					
	done e.g. Cobram					
	 Consider paternering with 					
	council on an accredited					
	voluntary tree removal					
	program with contractors and					
	volunteers to remove trees					
	 Tree replacement program 					
	i.e. a tree for native trees					
	 Consideration of rogue tree 					
	amenity and use e.g. for bees					
	and beauty					
	Partnerships e.g. Growing					
	Abundance, Council, SES etc.					
	 Lobby for regulatory change 					
	to enforce management of					
	host specieis e.g. similar to					
	fire vegetation management					
#	Key activity	Rationale				
2.3	Develop a Harcourt Valley Fruit	Currently individua			•	
	Fly Monitoring Plan	monitoring plan. H				
		approach to monitor and prevent fruit fly in the Valley.				
Tasks		Responsible	Priority rating	Due date	Alignment	
			(20% time)		SWAP	
Dev	elop a fruit fly monitoring plan	Harcourt Valley	(20% time) High	30/6/19	SWAP 1, 2, 3	
	elop a fruit fly monitoring plan includes all stakeholders – from	Harcourt Valley Fruit Fly Action	-	30/6/19		
that		· · · · · · · · · · · · · · · · · · ·	-	30/6/19		
that farm	includes all stakeholders – from	Fruit Fly Action	-	30/6/19		
that farm com	includes all stakeholders – from as, to residents and broader	Fruit Fly Action	-	30/6/19		
that farm com plan	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be led to, methods and approaches conitoring including a grid	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be led to, methods and approaches conitoring including a grid coach, year round trapping,	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be led to, methods and approaches conitoring including a grid roach, year round trapping, bined trapping and mapping	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com prog	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be sed to, methods and approaches conitoring including a grid coach, year round trapping, bined trapping and mapping gram (e.g. traps mapped),	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com prog map	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be led to, methods and approaches conitoring including a grid loach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), ping infestations and areas being	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com prog map	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring should include, but not be led to, methods and approaches conitoring including a grid roach, year round trapping, bined trapping and mapping fram (e.g. traps mapped), ping infestations and areas being ted, coordinate with government	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com progmap trea auth	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be sed to, methods and approaches onitoring including a grid toach, year round trapping, bined trapping and mapping fram (e.g. traps mapped), ping infestations and areas being ted, coordinate with government orities and land as well as	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appl com progmap trea auth cons	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be led to, methods and approaches onitoring including a grid loach, year round trapping, bined trapping and mapping fram (e.g. traps mapped), ping infestations and areas being led, coordinate with government orities and land as well as lider the State monitoring	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com prog map trea auth cons prog	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring should include, but not be led to, methods and approaches conitoring including a grid roach, year round trapping, bined trapping and mapping fram (e.g. traps mapped), ping infestations and areas being led, coordinate with government orities and land as well as lider the State monitoring fram (currently two locations in	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appir com program auth cons program auth cons	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be sed to, methods and approaches onitoring including a grid roach, year round trapping, bined trapping and mapping stram (e.g. traps mapped), ping infestations and areas being ted, coordinate with government orities and land as well as ider the State monitoring stram (currently two locations in court), and sending Fruit Fly	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com prog map trea auth cons prog Hard sam	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be sed to, methods and approaches conitoring including a grid coach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), ping infestations and areas being ted, coordinate with government corities and land as well as cider the State monitoring gram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com program auth cons program auth cons program pho	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring should include, but not be led to, methods and approaches conitoring including a grid roach, year round trapping, bined trapping and mapping fram (e.g. traps mapped), ping infestations and areas being led, coordinate with government corities and land as well as lider the State monitoring fram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using the land tablet apps to map the	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appir com program appir cons program program phoroloca	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring should include, but not be ed to, methods and approaches conitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), ping infestations and areas being ted, coordinate with government orities and land as well as cider the State monitoring gram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using the and tablet apps to map the tions of fruit fly observations and	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m approximate trea auth cons proximate treatment authorized treatment autho	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring should include, but not be sed to, methods and approaches conitoring including a grid coach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), ping infestations and areas being ted, coordinate with government corities and land as well as ider the State monitoring gram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using the and tablet apps to map the tions of fruit fly observations and the them available on the internet.	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com program auth cons program photocom mak Cons	includes all stakeholders – from as, to residents and broader munity. The fruit fly monitoring should include, but not be sed to, methods and approaches onitoring including a grid toach, year round trapping, bined trapping and mapping fram (e.g. traps mapped), ping infestations and areas being ted, coordinate with government orities and land as well as sider the State monitoring fram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using the and tablet apps to map the tions of fruit fly observations and the them available on the internet.	Fruit Fly Action	-	30/6/19		
that farm com plan limit to m appi com program auth cons program phore loca mak Cons program auth cons	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring should include, but not be sed to, methods and approaches conitoring including a grid coach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), ping infestations and areas being ted, coordinate with government corities and land as well as ider the State monitoring gram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using the and tablet apps to map the tions of fruit fly observations and the them available on the internet.	Fruit Fly Action	-	30/6/19		

		T			
Engage community in fruit fly		Harcourt Valley	High	14/12/19	1, 2
monitoring through a citizen science		Landcare and			
program e.g. backyard traps and		Consultant			
	eras/apps				
	sider new approaches to fruit fly	Harcourt Valley	Medium	14/12/19	1, 2
	itoring and sharing of ideas and	Fruit Fly Action			
	urces e.g. traps with cameras,	Group			
phor	ne and tablet apps etc.				
#	Key activity	Rationale			
2.4	Consider the need for an	Currently individua	ls or farms have t	hier own moni	toring and
	Emergency Outbreak Plan	management plans	s. Formulating a G	roup plan will	allow a
		coordinated approa	ach to managing a	fruit fly outbr	eak in the
		valley.			
Task	rs .	Responsible	Priority rating	Due date	Alignment
			(20% time)		SWAP
Harc	ourt Valley Fruit Fly Action Group	Harcourt Valley	Medium	10/10/19	1, 2, 3
to co	onsider the need for an	Fruit Fly Action			
Eme	rgency Outbreak Plan, and what	Group and			
such	a plan would include. For	Mount Alexander			
exan	nple:	Shire Council			
•	Who is responsible – suggest				
	shire council, Field Officer is				
	sent out by Ag Victoria for				
	commercial growers				
•	 Do we need one if we have 				
	good community education?				
•	Funding – shire council?				
•	What do other regions do?				
•	Triaged/risk based approach				
	to emergency e.g. fire risk or				
	danger rating				
•	 Simple and complex plans 				
	based on level of outbreak				
•	 Community engagement and 				
	information exchange				

Objective 3: Prioritisation of future programs of work, research and awareness to prevent and manage potential fruit fly incursion in Harcourt Valley.

- 3.1 Seek funding for a ongoing Fruit Fly Officer for Harcourt Valley
- 3.2 Seek funding to undertake broader stakeholder awareness campaigns, including community outreach and workshops
- 3.3 Seek funding for a rogue tree and old orchard removal program
- 3.4 Seek funding for the development of a monitoring and waste management program
- 3.5 Identify and prioritise new research required to manage fruit fly in Harcourt Valley

#	Key activity	Rationale				
3.1	Seek funding for a ongoing Fruit	To have a single and steadily employed fruit fly point of contact				
	Fly Officer for Harcourt Valley	for all stakeholders, and someone to implement, coordinate				
		and monitor this ar	nd ongoing fruit fl	y action plans	5	
Tasks		Responsible	Priority rating (0% time)	Due date	Alignment SWAP	
Harcourt Valley Action Group lobbys		Harcourt Valley	High	ASAP	1, 2	
for a	council paid position to	Action Group and				
coordinate fruit fly sightings,		Mount Alexander				
conf	irmations, monitoring and	Shire Council				
	ping, information dissemination,					
and	continued work in the Mount					
	ander Region. Information about					
fruit	fly should be available on council					
	page.					
	tify partners to help with	Harcourt Valley	Very High	ASAP	1, 2	
-	ementation and funding	Action Group				
	ngements for this and other					
	on plans e.g. The Growing					
	ndance Project, Repair Café,					
	ligo Fruit Fly, mens sheds,					
	ols, Harcourt Lions, Castlemaine					
Rota	ry, community champions etc.					
#	Key activity	Rationale				
3.2	Seek funding to undertake	Awareness of best management practice by commercial				
	broader stakeholder awareness	horticulture producers and the community to improve				
	campaigns, including	prevention of fruit	fly in the region.			
	information collation,					
	knowledge sharing, community					
	outreach and workshops		T	Τ	T	
Task	S	Responsible	Priority rating (10% time)	Due date	Alignment SWAP	
Actio	on Group and partners to apply	Harcourt Valley	Very High	Ongoing	1, 2	
	unding to undertake awareness	Action Group,				
	paigns e.g. community outreach,	identified				
	shops, school outreach, citizen	partners				
scier	nce, knowledge sharing activities					
etc						
#	Key activity	Rationale				
3.3	Seek funding for a rogue tree	To remove host tre	es that increase t	he risk of frui	t fly incursion.	
	and old orchard removal					
	and old orchard removal program					
Task	program	Responsible	Priority rating (5% time)	Due date	Alignment SWAP	
	program	Responsible Harcourt Valley		Due date 30/1/19	_	
	program s		(5% time)		SWAP	

Apply for funding for works using plan identified in 2.2		Harcourt Valley Action Group, and partners	High	Ongoing	1, 2
#	Key activity	Rationale			
3.4 Seek funding for the development of a monitoring program		Finances are not av monitoring, and are monitoring progran	e required to unde	•	• •
Task	'S	Responsible	Priority rating (10% time)	Due date	Alignment SWAP
	y for funding for works using plan tified in Activity 2.23	Harcourt Valley Action Group, identified partners	High	31/3/19	1, 2
	tify funding opportunities and y for funding using plans	Harcourt Valley Action Group, identified partners	High	Ongoing	1, 2
#	Key activity	Rationale			
3.5	Identify and prioritise new research required to manage fruit fly in Harcourt Valley	To ensure importar prevention and man Harcourt Valley.			
Task	'S	Responsible	Priority rating (10% time)	Due date	Alignment SWAP
Identify new research opportunities and prioritise them. For example, organic management methods, using monitoring data, etc.		Harcourt Valley Action Group and identified partners	Low	Ongoing	1, 2, 3
fund fund	rmine additional research and ing opportunities through RD&D ing programs. Support the elopment of a National Fruit Fly	Harcourt Valley Action Group, and identified partners	Low	Ongoing	1, 2, 3

7. Stakeholders involved in the development of the plan

The 2018-2019 Action Plan was reviewed by the stakeholders listed below. In addition, an externally facilitated workshop on Wednesday 10th October 2018 in Harcourt resolved all major comments on the Action Plan. The Action Plan was sent out to 21 stakeholders including representatives from local and state government, wineries, cideries, commercial growers, local residents and small-scale self-sufficent farmers. Of the 21 invited to participate, the list below is of stakeholders that provided feedback on the Action Plan:

- Terry Willis, Project Manager, Harcourt Valley Landcare
- Jo Williams, SunFruit, representing Sunraysia Region
- Megan Hill, DEDJTR Biosecurity
- Milo, Thomson Orchards
- Ant Wilson, Organic Orchardist and Harcourt Organic Farming Co-Op Representative

- Colin Pickering, Blackwood Orchards
- Judy Hutchins, Harcourt Resident and Fruit Grower
- Ali Brooks, Maldon Cherry Farm and Mount Alexander Fruit Fly Facebook Group
- Ingrid Button/John Reid, The Growing Abundance Project
- Sandra Jacka and Family, Harcourt resident and small-scale self-sufficent farmer
- Robyn Miller, Harcourt Resident
- John Munday, Harcourt Resident

A final version of this plan was peer-reviewed by technical experts.

8. Measurement of success

Success for the first Action Plan will be demonstrated by:

- Completion of the Harcourt Valley Fruit Fly Action Plan 2018-2019 in its final form, and its local dissemination via media and landcare coordinator (Asha Bannon)
- Stakeholder engagement in the development of the Action Plan, including a workshop
- The formation of a Action Group for Harcourt
- A plan for rogue and old orchard trees has been drafted
- A monitoring plan has been drafted
- At least one knowledge sharing and one community education method/event completed
- At least one funding application for Stage 2 and beyond was lodged