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 Action Group	To ensure collaboration, good governance and project delivery, and harnessing of the groups' multidisciplinary skills to implement the Plan regionally.			
Task	is	Responsible	Priority rating (20% time)	Due date	Alignment SWAP
	lentify key stakeholders in the court Valley area	Harcourt Valley Fruit Fly Action Group	High	Ongoing	1, 2

Esta	blish a Harcourt Fruit Fly Action	Harcourt Valley	Very High	31/11/18	1, 2
	ip as a sub-committee of	Fruit Fly Action		01,11,10	-, -
	ourt Valley Landcare.	Group			
	etermine key roles and functions	Harcourt Valley	Very High	31/11/18	1, 2
	e Harcourt Fruit Fly Action	Fruit Fly Action		0 =, ==, =0	_, _
	ip. Group to read Harcourt Valley	Group			
	on Plan, <i>Managing Fruit Fly in</i>	Croup			
	pria Action Plan 2015-2016 and				
	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		•	•
	coordinate and implement the		0.1	·	
	2018-2019 plan				
Task	S S	Responsible	Priority rating	Due date	Alignment
			(10% time)		SWAP
Docu	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
unde	ertake actions in the plan – see	Fruit Fly Action			
Obje	ctive 3 below	Group			
Dete	rmine Action Group members	Harcourt Valley	Very High	31/11/18	1, 2
that	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	, duplication of wo	ork is reduced	and advances
	other regions, states and	in knowledge of fr	uit fly work from a	round Austra	lia benefit
	national fruit fly programs	Harcourt Valley.		1	
Task	'S	Responsible	Priority rating	Due date	Alignment
			(10% time)		SWAP
	ose a representative of the	Harcourt Valley	Medium	Ongoing	1, 2
	ourt 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				
eyne	erts in fruit fly				
				• • • • • • • •	1 1 2
The	representative/paid position	Harcourt Valley	Medium	Ongoing	1, 2
The advo	representative/paid position ocates for longer-term planning,	Fruit Fly Action	Medium	Ungoing	1, 2
The advo reso	representative/paid position ocates for longer-term planning, urcing and alignment between	Fruit Fly Action Group	Medium	Ungoing	1, 2
The advo reso the r	representative/paid position ocates for longer-term planning,	Fruit Fly Action	Medium	Ungoing	1, 2

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 comm	nercial
	practice with commercial	horticulture produce	cers and the com	munity to imp	rove
	producers and community	prevention of fruit	fly in the region.		
Task	ís	Responsible	Priority rating	Due date	Alignment
			(20% time)		SWAP
Shar	e knowledge of good quality	Harcourt Valley	Very High	30/6/19	1, 2
	ent research and practice to fruit	Fruit Fly Action			
U	vers. This could be made available	Group to			
	ugh tours, research, reviews,	coordinate			
-	st speakers, collation of	knowledge share			
	wledge, information evenings,	and community			
	out, websites etc. Knowledge	to be responsible			
	ing could include holistic	for gathering and			
	agement approaches, organic	sharing			
	oaches, case studies, hygiene,	knowledge			
	ng, netting, waste management,				
	agement strategies for incursion, making workshop, light attracting				
	s, wintering habits and				
	agement, risks of abandoning				
	s and vegetables, biotrap				
	rmation night etc.				
	ere possible, identify sources of				
	d quality information based on				
sour	ce type and robust science.				
Enga	age stakeholders in the review	Harcourt Valley	High	14/12/18	1, 2
and	workshop for the 2018-2019	Landcare and			
Actio	on Plan	Consultant			
Mak	e the Action Plan and fruit fly	Harcourt Valley	Very High	14/12/18	1, 2
	rmation available to the broader	Fruit Fly Action			
com	munity. This will include case	Group and			
	ies, a guide on how to recognise	partner			
	fly, what to do if fruit fly I.D. is	organisations			
	irmed, wintering habits and	(e.g. Council,			
	agement, risks of abandoning	Growing			
	s and vegetables, affected plants	Abundance etc)			
	holistic management for home				
-	ener, trapping and trapping				
	kshops, netting, waste agement etc.				
mdfi					
Com	munity engagement can be done				
	ngaging local media, Connecting				
	ntry Landcare Coordinator,				

webs resid disse com centi com weel inter educ	sites (including Ag Vic QFF site), Facebook, mail out to ents/letter drop, council emination, schools, partner with munity organisations, garden res, Bendigo Fruit Fly group and munity trap kends/workshops, flyers, active participation based ation, information evenings, cil website, newspaper articles				
#	Key activity	Rationale			
2.2	Develop a plan for unwanted or unmanaged host species e.g. rogue trees, old orchards and blackberries	Unwanted or unmanaged host trees can provide breeding site for fruit fly that pose significant risk to commercial orchards ar home gardeners			-
Task	S	Responsible	Priority rating (25% time)	Due date	Alignment SWAP
Valle respo rogu	tify a member of the Harcourt y Fruit Fly Action Group to be onsible for the development of a e tree and old orchard plan	Harcourt Valley Fruit Fly Action Group	Very High	14/12/18	1, 2
orch	 Plop a plan for rogue and old and 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

			T				
	 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		<u> </u>			
# 2.3	Develop a Harcourt Valley Fruit	Currently individua	ls or farms have t	hier own fruit f	fly		
2.5	Fly Monitoring Plan				•		
		monitoring plan. Having a Group plan will allow a coordinated approach to monitor and prevent fruit fly in the Valley.					
Tas	۲۶ ۲۶	Responsible	Priority rating	Due date	Alignment		
		nespensizie			-		
1			(20% time)		SWAP		
Dev	elop a fruit fly monitoring plan	Harcourt Valley	(20% time) High	30/6/19	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 farn	includes all stakeholders – from	Fruit Fly Action		30/6/19			
that farn com	includes all stakeholders – from ns, to residents and broader	Fruit Fly Action		30/6/19			
that farn com plar limit	includes all stakeholders – from ns, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches	Fruit Fly Action		30/6/19			
that farn com plar limit to m	includes all stakeholders – from ns, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid	Fruit Fly Action		30/6/19			
that farn com plar limit to m app	includes all stakeholders – from hs, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping,	Fruit Fly Action		30/6/19			
that farm com plar limit to m app com	includes all stakeholders – from ns, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping	Fruit Fly Action		30/6/19			
that farn com plar limit to m app com prog	includes all stakeholders – from ns, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped),	Fruit Fly Action		30/6/19			
that farn com plar limit to m app com prog map	includes all stakeholders – from hs, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being	Fruit Fly Action		30/6/19			
that farm com plar limit to m app com prog map trea	includes all stakeholders – from hs, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), pping infestations and areas being ted, coordinate with government	Fruit Fly Action		30/6/19			
that farm com limit to m app com prog map trea auth	includes all stakeholders – from ns, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being ted, coordinate with government norities and land as well as	Fruit Fly Action		30/6/19			
that farm com plar limit to m app com prog map trea auth cons	includes all stakeholders – from ns, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being ted, coordinate with government norities and land as well as sider the State monitoring	Fruit Fly Action		30/6/19			
that farm com plar limit to m app com prog map trea auth com prog	includes all stakeholders – from hs, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being ted, coordinate with government norities and land as well as sider the State monitoring gram (currently two locations in	Fruit Fly Action		30/6/19			
that farm com plar limit to m app com prog map trea auth cons prog Hare	includes all stakeholders – from hs, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being ted, coordinate with government norities and land as well as sider the State monitoring gram (currently two locations in court), and sending Fruit Fly	Fruit Fly Action		30/6/19			
that farm com plar limit to m app com prog map trea auth cons prog Haro sam	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being ted, coordinate with government norities and land as well as sider 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 plar limit to m app com prog map trea auth cons prog Haro sam pho	includes all stakeholders – from hs, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being ted, coordinate with government norities and land as well as sider the State monitoring gram (currently two locations in court), and sending Fruit Fly	Fruit Fly Action		30/6/19			
that farm com plar limit to m app com prog map trea auth cons prog Hard sam pho loca	includes all stakeholders – from hs, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being ted, coordinate with government norities and land as well as sider the State monitoring gram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using me and tablet apps to map the	Fruit Fly Action		30/6/19			
that farm com limit to m app com prog trea auth cons prog Haro sam pho loca mak	includes all stakeholders – from hs, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being ted, coordinate with government norities and land as well as sider the State monitoring gram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using ne and tablet apps to map the tions of fruit fly observations and	Fruit Fly Action		30/6/19			
that farm com plar limit to m app com prog map trea auth cons prog Hard sam pho loca mak Con	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring 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 norities and land as well as sider the State monitoring gram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using ne and tablet apps to map the tions of fruit fly observations and re them available on the internet.	Fruit Fly Action		30/6/19			
that farm com plar limit to m app com prog map trea auth cons prog Haro sam pho loca mak Con	includes all stakeholders – from is, to residents and broader munity. The fruit fly monitoring should include, but not be ted to, methods and approaches nonitoring including a grid roach, year round trapping, bined trapping and mapping gram (e.g. traps mapped), oping infestations and areas being ted, coordinate with government norities and land as well as sider the State monitoring gram (currently two locations in court), and sending Fruit Fly ples to Ag Victoria. Consider using ne and tablet apps to map the tions of fruit fly observations and te them available on the internet. sider linking tree removal	Fruit Fly Action		30/6/19			

Enga	ge community in fruit fly	Harcourt Valley	High	14/12/19	1, 2
monitoring through a citizen science		Landcare and		- 1/ - 2/ - 3	_,_
program e.g. backyard traps and		Consultant			
cameras/apps		consultant			
	ider 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			
	he and tablet apps etc.				
#	Key activity	Rationale	L		
2.4	Consider the need for an	Currently individua	lls or farms have t	hier own mon	itoring and
1	Emergency Outbreak Plan	management plans	. Formulating a G	roup plan will	allow a
1		coordinated appro	ach to managing a	fruit fly outb	reak in the
		valley.			
Task	s	Responsible	Priority rating	Due date	Alignment
			(20% time)		SWAP
	ourt Valley Fruit Fly Action Group	Harcourt Valley	Medium	10/10/19	1, 2, 3
	nsider the need for an	Fruit Fly Action			
	rgency Outbreak Plan, and what	Group and			
	a plan would include. For	Mount Alexander			
exan	-	Shire Council			
•					
	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 conta				
	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	
Harc	ourt Valley Action Group lobbys	Harcourt Valley	High	ASAP	1, 2	
for a	council paid position to	Action Group and				
coor	dinate fruit fly sightings,	Mount Alexander				
conf	irmations, monitoring and	Shire Council				
map	ping, information dissemination,					
and	continued work in the Mount					
Alex	ander Region. Information about					
fruit	fly should be available on council					
web	page.					
Iden	tify partners to help with	Harcourt Valley	Very High	ASAP	1, 2	
impl	ementation and funding	Action Group				
arraı	ngements for this and other					
actic	on plans e.g. The Growing					
Abur	ndance Project, Repair Café,					
Bend	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		I			
Task	-	Responsible	Priority rating (10% time)	Due date	Alignment SWAP	
	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 and old orchard removal program	To remove host trees that increase the risk of fruit fly incursion				
Task	S	Responsible	Priority rating (5% time)	Due date	Alignment SWAP	
Identify funding sources		Harcourt Valley Action Group and	High	30/1/19	1, 2	

Apply for funding for works using plan		Harcourt Valley	High	Ongoing	1, 2	
identified in 2.2		Action Group, and				
		partners				
#	Key activity	Rationale				
3.4	Seek funding for the	Finances are not av	ailable within the	e community t	o support	
	development of a monitoring	monitoring, and are required to undertake an efficient				
	program	monitoring program.				
Task	is	Responsible	Priority rating (10% time)	Due date	Alignment SWAP	
Appl	y for funding for works using plan	Harcourt Valley	High	31/3/19	1, 2	
iden	tified in Activity 2.23	Action Group,				
		identified				
		partners				
Iden	tify funding opportunities and	Harcourt Valley	High	Ongoing	1, 2	
appl	y for funding using plans	Action Group,				
		identified				
		partners				
#	Key activity	Rationale				
3.5	Identify and prioritise new	To ensure importar				
	research required to manage	prevention and ma	nagement is taile	red for the ne	eds of	
	fruit fly in Harcourt Valley	Harcourt Valley.				
Task	S	Responsible	Priority rating (10% time)	Due date	Alignment SWAP	
Iden	tify new research opportunities	Harcourt Valley	Low	Ongoing	1, 2, 3	
and	prioritise them. For example,	Action Group and				
organic management methods, using		identified				
monitoring data, etc.		partners				
Determine additional research and		Harcourt Valley	Low	Ongoing	1, 2, 3	
	ing opportunities through RD&D	Action Group, and				
	ing programs. Support the	identified				
deve	elopment of a National Fruit Fly	partners				
			1	1	1	

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-sufficient 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