

IPDM Calendar for Cherries 2014



*_	100%			*		SHUCK	SHOOT AND FRUIT		POST		
Commence	LEAF FALL	DORMANCY	BUDSWELL	BUD BURST	FLOWERING	FALL	DEVELOPMENT	HARVEST	HARVEST		
from bud burst (see	ST/	A MALLA									
over)											
MONITORING				os in orchard and che	eck frequently (fortnightly for	export)	And - Check fruit				
BIOLOGICAL	Remove alternative fruit sources – clean up rotting fruit Remove rotting and fallen fruit, keep orchard floor clear CAL									QFF	
CHEMICAL	Low pressure, ase sure sprays at 7 to day intervals from mist signifing. Fight pressure, ase sure sprays at 7 to day intervals an season									in.	
MONITORING CULTURAL	Traing trait my traps in ordinara and check frequently (forting fitty for export)										ш
BIOLOGICAL	L										Σ
MONITORING	Low pressure, use but sprays at 7 10 day intervals from hist signeing. High pressure, use but sprays at 7 10 day intervals an season										ZT
CULTURAL	Keep weeds down, and remove pruning waste Keep weeds down to reduce the number of overwintering sites									() J	BROWN
BIOLOGICAL CHEMICAL	Encourage parasitie & predatory insects, consider menogramma wasps									OR	LIGHT
MONITORING	Widter control to egg natering, use date of mot trap eaten us a garde, selective insecticides available										
CULTURAL BIOLOGICAL	жоор жоо	ds down, and remove prunir	ng waste Place pheromone	trans in orchard		Keep weeds	down to reduce the number o	f overwintering sites		TO MAKE THE TANK THE	CODLING
CHEMICAL			ridee pricromone	traps in ordinara	Mat	ch control to e	gg hatching, use date of first tra	p catch as a guide			0 2
MONITORING CULTURAL		de decue and recession and re-		Hang tra	ps in orchard and check frequence		r fortnightly – depending on ex				IAL OTH
BIOLOGICAL	keep wee	ds down, and remove prunir	Place pheromone	traps in orchard		keep weeds	down to reduce the number of	r overwintering sites			ORIEN UIT M
CHEMICAL					Most	insecticides tar	geted at other moths will conti	ol other moth pests			FRL
MONITORING CULTURAL							pecially early in the season hysically remove colonies if small	all scale infestation occurs		1	PHIDS
BIOLOGICAL				Encourage paras	itic and predatory insects with	nectar-produc	cing plants within orchard, hea				APHI
MONITORING		Apply w Check soil		Spray 'hot :	spots' early, or apply to blocks Check trees for bee		using banded cardboard traps			Tar .	7
CULTURAL		and plant debris to a minim	um, consider soil disr				s, control weeds and consider r	emoving low branches		A L	EVILS
BIOLOGICAL CHEMICAL				Consider using p	oultry to control weevils unde		scale only) sk applications of insecticide (to	unk sprays) if heavy infest	ations occur		WE
MONITORING				Cł	neck trees regularly for mealy		neck undersides of leaves, and	stem bowls			ng
BIOLOGICAL	1100	weeds and plant debris to	a minimum	Encourage paras	itic and predatory insects with	n nectar-produc	cing plants within orchard, hea	Minimise movemed and windbreaks	ent of leaf material		ALYB
CHEMICAL										M	
MONITORING CULTURAL	Cheek areas regularly for arathera, especially early in the season										
BIOLOGICAL	AL										SCA
CHEMICAL MONITORING		Apply w	vinter oil		targeted at other pests may a growing tips regularly, especial	<u> </u>					
CULTURAL	IXC	ep weeds down					down to reduce the number o				THRIPS
BIOLOGICAL CHEMICAL	Encourage parasitie and predatory insects with neetal producing plants within ordinary incudiants and windsteaks									丰	
MONITORING		Check soil				ason for bud w	orm, continue checking trees t	hroughout the season		anna a	R M M
CULTURAL BIOLOGICAL	Reep Weeds	and plant debris to a minim	ium, consider soil disr			n nectar-produc	cing plants within orchard, hea	dlands and windbreaks			DWO
CHEMICAL							geted at leaf rollers will suppre	ss other moth pests			BU
MONITORING CULTURAL		alternative fruit sources – cl	ean up rotting fruit		Check trees for	or beetles (fun	nel traps could be used) Remove rotting a	nd fallen fruit, keep orchar	d floor clear		LES
BIOLOGICAL					·	cocticid	not nocessary well-served to the	nc are very high			BEET
MONITORING										MI cela	
CULTURAL BIOLOGICAL	Keep weeds and plant debris to a minimum, consider soil disruption if pupae spotted									CHERRY SLUG	
CHEMICAL		Apply w	vinter oil	Encourage paras			pests will suppress or control ch				S
MONITORING CULTURAL			Check t	rees or traps for ear	wigs, suggested threshold is 5			for fruit damage if populat	cion high		WIG
BIOLOGICAL										EARW	
CHEMICAL MONITORING	The Agreement and the second and the										
CULTURAL		Check trees for ca ety selection important, use			Monitor tre	es (requiremei	it for export to China)	Prune	out infected wood		ERIAL IKER
BIOLOGICAL CHEMICAL									BACT		
MONITORING	тррту соррег и писсыны и п										
CULTURAL BIOLOGICAL	Remove mummified fruit and infected twigs Good insect control will limit spread							BROWN			
CHEMICAL				Apply syste	emic fungicides		Apply protectant and system	ic fungicides if required			BR
MONITORING CULTURAL		ety selection important, use	clean graft wood		Monitor tre	ees (requireme	nt for export to China)				IGHT 10LE
BIOLOGICAL		ety selection important, use	. cican graft wood								IG BLI HOTH
CHEMICAL					Control of bacteri	ial canker and l	prown rot should also supress	other diseases			



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Fruit fly	Mediterranean Fruit Fly	Ceratitis capitata		
	Queensland Fruit Fly	Bactrocera tryoni		
	Other Fruit flies	Bactrocera sp.		
Moth	Codling Moth	Cydia pomonella		
	Light Brown Apple Moth	Epiphyas postvittana		
	Torticid Moth (LLBAM)	Epiphyas xylodes		
	Oriental Fruit Moth	Cydia molesta		
Aphid	Black Cherry Aphid	Myzus cerasi		
	Black Peach Aphid	Brachycaudus persicae		
Weevil	Fuller's Rose Beetle/Weevil	Asynonychus cervinus		
	Garden Weevil (Vine calandra)	Phlyctinus callosus		
Mealybug	Citropilus mealybug	Pseudococcus calceolariae		
	Long-tailed Mealybug	Pseudococcus longispinus		
Scale	European Brown Scale	Parthenolecanium corni		
	Oleander scale	Aspidiotus nerii		
	Oystershell Scale	Lepidosaphes ulmi		
	San Jose Scale	Quadraspidiotus perniciosus		
Thrips	Plague Thrips	Thrips imagines		
	Western Flower Thrips	Frankliniella occidentalis		
Worm	Native Bud worm	Helicoverpa punctigera		
Beetle	Plague Soldier Beetle	Chauliognathus lugubris		

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The information contained in this calendar is intended for cherry producers and exporters only. This calendar is based on the best information available at the time of production and should be used as a general guide only. It is the ultimate responsibility of individual growers and exporters to confirm the accuracy and currency of information provided by checking relevant websites / information sources. Cherry Growers Australia Inc cannot control individual usage of information contained in this calendar or the way in which information is implemented. Accordingly, Cherry Growers Australian Inc will not accept liability for loss or damage of any kind caused by the reliance on this information.

	Pests	how often?	where to look?	how many traps/trees?	threshold	Action	
Fruit Fly Mediterranean Fruit Fly		fortnightly	traps#	refer to notes	refer to notes	talk to local agency	
	Queensland Fruit Fly	*				consider end point	
	Other Fruit flies					treatment options	
Leaf Roller	Codling Moth	*	traps and trees	refer to notes	7 moths per trap (average)	talk to local agency	
	Light Brown Apple Moth	fortnightly				consider end point	
	Torticid Moth (LLBAM)	fortnightly				treatment options	
	Oriental Fruit Moth	fortnightly					
Aphids	Black Cherry Aphid	fortnightly	buds, new growth,	10 trees per block	2 colonies per tree	refer to IPM calendar	
	Black Peach Aphid	*	leaf tips			and spray program guide	
Weevils	Fuller's Rose Weevil	fortnightly	trees	10 trees per block	50+ weevils per tree	refer to IPM calendar	
	Garden Weevil					and spray program guide	
Mealybug	Citropilus mealybug	fortnightly	branch junctions, leaves,	10 trees per block	No threshold set	refer to IPM calendar	
	Long-tailed Mealybug		fruit stem bowls		**	and spray program guide	
Scale	European Brown Scale	fortnightly	bark, brances,	10 trees per block	No threshold set	refer to IPM calendar	
	Oleander scale		fruit and leaf stems		**	and spray program guide	
	Oystershell Scale						
	San Jose Scale						
Thrips	Plague Thrips	fortnightly	buds, new growth,	10 trees per block	Presence	refer to IPM calendar	
	Western Flower Thrips	*	leaf tips			and spray program guide	
Worms	Native Bud worm	fortnightly	buds, new growth,	10 trees per block	No threshold set	refer to IPM calendar	
Beetles	Plague Soldier Beetle	fortnightly	trees	10 trees per block	No threshold set	refer to IPM calendar	
	Carpophilus Beetle					alert packing shed	
Cherry Slug		fortnightly	leaves	10 trees per block	No threshold set	refer to IPM calendar	
Earwig		fortnightly	trees	10 trees per block	No threshold set	refer to IPM calendar	
Pest Mites		fortnightly	trees	10 trees per block	No threshold set	refer to IPM calendar	
Pest Mites		Tortnightly	trees	To trees per block	No threshold set	refer to iPivi calendar	

Diseases	how often?	where to look?	how many traps/trees?	threshold	Action
Bacterial canker	fortnightly*	trees	10 trees per block	No threshold set	refer to IPM calendar
Brown rot [@]		fruit	10 fruit dusters per block	**	
Twig blight		trees	10 trees per block		
Shot hole		leaves	10 trees per block		

Monitoring to commence at bud burst and results need to be recorded on monitoring sheets

- *Monitoring fortnightly meets most export protocols, check specific workplans to be sure
- *Monitoring for codling moth is undertaken by DPIPWE in Tasmania for export to Japan and Korea this is done weekly to meet those protocols
- * It is recommended that monitoring occur more frequently for thrips and aphids from bud swell to petal fall
- #Traps for fruit fly can be specific for each type, or they can be non-specific. Talk to your supplier and check the workplan for requirements
- **There is no threshold set for mealybug, scale, or any of the diseases for cherries. Keep records and notes and you may be able to set your own threshold for damage.
- @ If rot is visually detected follow up with diagnostic testing to discern if it is Monolinia sp. or Botrytis sp. The type of rot will impact on treatment options available.