










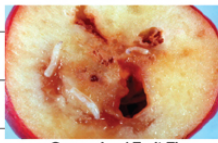








# Handy Guide for Low-Chill Stone Fruit

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Season	Winter			Spring			Summer			Autumn			Season	
Month	June	July	August	September	October	November	December	January	February	March	April	May	Month	
<b>Crop Cycle</b>														
Shoot Growth				Shoot Growth						Shoot Growth				
Leaf Growth	No Leaf	Spring Leaf Flush	Spring Leaf Matures			Summer Leaf Flush			Summer Leaf Matures	It is critical to maintain leaf on tree to build tree reserves.		(Early) Leaf Fall (Late)	Leaf Growth	
Bud Break	(Early) Budbreak (Late)												Bud Break	
Flowering	(Early) Flowering (Late)												Flowering	
Fruit Growth	Fruit Growth Phase 1 Stones Hardening			Fruit Growth Phase 2	Fruit Growth Phase 3 Maturity								Fruit Growth	
Root Flush	Spring Root Flush						Summer Root Flush						Root Flush	
Dormancy	Dormant												Dormant	Dormancy
<b>Cultural Operations</b>														
Watering	This is a critical time for watering. Start two weeks before flowering to three weeks after. Maintain even soil moisture using tensiometers to monitor moisture levels. Water trees after each pick 2-3 times per week to fit into picking pattern during harvest. Avoid irrigating the day before harvest.						After harvest, water for the development of new fruiting wood and bud development for the following season.						Watering	
Mulching	Mulch trees by slashing the interrow using side throw mower throughout the season.												Mulching	
Pruning				Pre-Harvest Pruning				Summer Pruning				Winter Pruning	Pruning	
Complete mixed Fertiliser eg (12.5:14) NPK	Mature trees (4-5 year old) For a 250ha crop apply 560g/tree						Mature trees (4-5 year old) For a 250ha crop apply 120g/tree	Mature trees (4-5 year old) For a 250ha crop apply 560g/tree					Complete Fertiliser Applications (based upon soil and leaf tests)	
<b>Pest</b>														
<b>Major Economic Pest Control Measures</b>														
Red Shouldered Leaf Beetle (monolepta beetle)	NSW chemical available for control (Methomyl). Qld, chemical available for control (carbaryl) but check labels for registration.												Control Measures Carbaryl or Methomyl	
Aphids General & Green Peach & Black Peach Aphid.	HMO can only be applied during dormancy	QLD for Aphid control, chemicals available (Dimethoate) and for NSW (Dimethoate, petroleum oil, paraffin oil, Parathion-methyl) but check labels for registration. For green and black peach aphid best to use Horticultural Mineral Oils (HMO) for control.										HMO can only be applied during dormancy 2 sprays 2 weeks apart, start at leaf fall.	Dimethoate & HMO (Horticultural Mineral Oils)	
Scales, San Jose Scale (White Peach Scale)	Sprays 2 weeks apart. Do not apply after budbreak.	Currently no registered chemicals available for control of White Peach Scale but chemicals for San Jose Scale may control White Peach Scale (San Jose Scale control best to use petroleum oil, other chemical control chlorpyrifos & methidathion but check labels for registration).										2 sprays 2 weeks apart, start at leaf fall.	Chlorpyrifos or Petroleum oil	
Plague Thrips & Western Flower Thrips	Check at early flowering for thrips (nectarine only).			Check for western flower thrips, only spray when absolutely necessary, but check label for registration and application rates.										
Light brown apple moth (LBAM)	NSW. Examine trees regularly beginning in September. Use 3 consecutive sprays of indoxacarb but check label for registration. Not Qld.												Spinosad or Carbaryl or Indoxacarb or azinphos methyl.	
Rutherglen Bug				Qld. No chemicals presently registered for control. NSW spray when insects are present in swarms.			NSW. Spray when insects are present in populations.						Trichlorfon	
Fruitspotting Bug	No chemical control registered.												No insecticide Treatment	
Green Treehopper	Regularly check trees. Use Carbaryl only when necessary, but check label for registration.												Carbaryl	
Oriental Fruit Moth (OFM)	Use pheromone disruption (dodecyl acetate) all season if necessary. Spray only when necessary, but check label for registration.												Dodecyl acetate (pheromone mating disruption) or Azinphos-methyl or Thiacloprid or Indoxacarb	
Fruit Fly				Bait sprays must start before fruit start to colour or Cover Sprays if fly pressure is high. Check labels for spray schedule, registration and rates. If using ICA21 then spray Lebaycid every 7 days beginning 6, 4, 3, 2, 1 weeks prior to harvest of first variety.									Dimethoate or Fenthion or Chlorpyrifos or Trichlorfon and monitor fruit fly numbers with traps early in the season.	
Orange Fruit Borer	No insecticide treatment in NSW.												No insecticide Treatment	
Two-spotted (Red spider) Mite				Check for mites every 2 weeks and spray when absolutely necessary, but check label for registration. Biological control "Predatory mites".									Bifenoxate or Fenprophate or Fenbutate Oxide or Propoxaflor or Dofluthal	
<b>Disease</b>														
<b>Major Economic Disease Control Measures</b>														
Carry over leaf and trunk diseases (Bacterial spot and canker, Phytophthora)	2 sprays 3rd spray early June 4th spray Late June-Early July Will also control Brown Rot, freckle and rust												2 Sprays 1st spray starting at 70% leaf fall 2nd spray at complete leaf fall NSW no chemicals registered for bacterial spot	
Brown Rot (Blossom Blight)				If rain is predicted apply early bloom			Rust Disease			Bacterial Spot Disease			Copper sprays Cu as oxychloride Cu as hydroxide Cu as Cu <sub>2</sub> O	
Brown Rot (fruit)				Apply at 3 weeks and 1 week before picking. Strategic sprays may be necessary during the harvest period after rain if conditions are favourable for disease development, but check label for registration and rates.										Carbendazim or Iprodione or Propiconazole or Triforin or Captan or Chlorothalonil or Dithianon
Leaf Curl, Shot Hole, Rust, Bacterial spot, Freckle	Rust sprays should commence with early leaf development and should continue throughout the season. Thiram is not registered for rust. Chlorothalonil is not registered for rust on nectarines. Check labels before use for chemical registration and rates.												Chlorothalonil or Mancozeb or Copper Oxychloride or Dithianon or Zineb	
Clean Orchard (remove unopened, dropped & rumbled fruit from orchard to reduce build up of disease)	Clean Orchard (prunings)			Clean orchard (prunings & fruit)			Clean Orchard (prunings)			Clean Orchard (prunings)			Clean orchard (remove or muck bags & prunings from orchard to reduce build up of disease)	
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