


















RECOMMENDED PEST / DISEASE MANAGEMENT 2022 - 2023

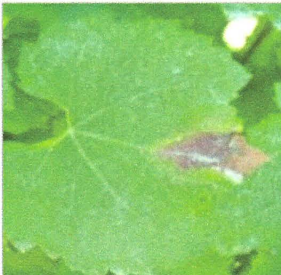
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Ensure the chemical rates and water rates are correct for the type of canopy - Use Spray Mix Mate App.

Example Only

Disease/Pest	Action																							
POWDERY MILDEW		Winter bud E-L 01	Sulphur + Wetter at 7-10 day intervals (reapply after rain), and close up interval if weather dictates.						Talendo + Sulphur	Impulse + Sulphur	Sulphur + Wetter at 7-10 day intervals			Flute or Belanty + Sulphur	Esteem + Sulphur									
	Chemical Management					Potassium bicarbonate product (check compatibility with other sprays)			Potassium bicarbonate product (check compatibility with other sprays)				Potassium bicarbonate product (check compatibility with other sprays)			Potassium bicarbonate product (check compatibility with other sprays)			Potassium bicarbonate product (check compatibility with other sprays)					
	Cultural Management	Prune out infected wood	Monitor for Flag Shoots, ash-grey patches on leaves & rachis, & dark lesions on canes						Manage canopy to maintain good airflow and reduce shading. Continue monitoring for <u>any signs of disease</u> and act quickly if any symptoms are detected.										Trim any infected new growth out of canopy.					
DOWNY MILDEW, PHOMOPSIS, & BLACK SPOT	Chemical Management				Mancozeb - <b>only twice per season</b> or Copper at 10-14 day intervals. Sprays must be used as a preventative. <u>Maximum Cu active is 3kg / ha / season.</u> Captan can be used from shoots 5cm				Copper or Fluazinam (Gem, Curalan, Pinnacle), as weather dictates Sprays must be used as a preventative. Copper on canopy only (not bunch zone) from Fruitset onwards. Captan can be used up till veraison <u>Maximum Cu active is 3kg/ha/season.</u>															
	Cultural Management	Prune out Phomopsis & Black spot infected wood & burn. Do a soil test if Copper was used in previous season.				Remember 10:10:24 Rule - 5-10mm rain when temps are 10°C or above, generally over a 24 hour period, but especially if at night, is a DOWNY MILDEW infection period. Monitor leaves closest to the ground for 'oil spots'.																		
BOTRYTIS	Chemical Management							Pristine - if leaf Bot or dead material is present, or weather dictates.	Teldor or Prolectus		1 application of <i>Fluazinam</i> . <i>Note a maximum of 3 applications /season including winter spraying.</i>		Switch	Bacillus subtilis (Clarity, Serenade Max or Triple X) if weather dictates										
	Cultural Management					Monitor for leaf Botrytis and lesions on canes.			<u>Check Spray coverage</u>	<u>Check Spray coverage</u>		Bunch Trash Shaking		<u>Check Spray coverage</u>	Declump/ bunch thin at crossovers and heads.	Remove bunches that are touching each other.								
				<u>Before</u> first wire lift - Remove shoots around the head that are growing into interrow - 'karate chop'	Leaf pluck before spraying	Leaf pluck before spraying																		
ERINOSE MITE	Chemical Management		Lime sulphur if mites were bad last season.	Sulphur																				
	Cultural Management																							
LEAFROLLER CATERPILLAR, LIGHT BROWN APPLE MOTH (LBAM)	Chemical Management								Prodigy (only if required)															
									Proclaim, Avaunt, Entrust Naturalyte or Success - no more than 2 applications															
	Cultural Management	Monitor for signs of caterpillars and moth flights early morning and evenings. Use pheromone traps.						Continue monitoring. Findings this season will influence control measures next season																
GRASS GRUB BEETLE and BRONZE BEETLE	Chemical Management					Karate or Cyhella to hotspots and/or boundary edges only.																		
	Cultural Management					Monitor early evenings for flights of Grass Grub Beetle and monitor buds for 'shot holes' for Bronze Beetle																		
MEALYBUGS	Chemical Management					Buprofezin x 2. Spray at the highest water rate possible plus change direction of sprayer.				Movento	Movento up to 10 days post capfall.										Soil drench Imidacloprid (e.g. Confidor) to vines that are to be removed or new replants.			
	Cultural Management	Monitor for signs of <u>Mealybug webbing under bark</u> at pruning time.								There are no Mealybug control options after flowering. Continue monitoring by checking the undersides of leaves and bunches, and looking for Sooty mould on leaves and/or bunches. Findings from this eason will influence control measures in future seasons.														
TRUNK DISEASES	Chemical Management	Apply wound dressing to pruning wounds. Paint Gelseal, or Bacseal, or Garrison, or spray Greenseal or Gem, asap after pruning and before rain. Gem can only be used a maximum of 3 times / season including pruning application.																						
	Cultural Management	Avoid pruning in rain. Remove diseased wood and vines from the vineyard and burn.				To rework an infected vine, remove infected wood and rework vine by growing a water shoot to replace the trunk.								Tag symptomatic vines for removal or rework next season.										
WEEDS	Chemical Management	Use pre-emergence sprays pre-budswell.		Do not use herbicides with the same mode of action consecutively. Use the full recommended rate and proper timing for the <u>hardest to control weed species present.</u>																				
	Cultural Management	Scout vineyards after herbicide application to ensure control has been achieved. Grub weeds that persist after spraying and avoid allowing weeds to go to seed or proliferate.																						

RECORD OF CRITICAL DATES	
Vine Stage	Date
Budburst	
Start of flowering	
50% flowering	
End of flowering	
50% Veraison	



Powdery Mildew

Downy Mildew

Leaf Botrytis

Mealybugs under bark

Mealybugs on underside of leaves

Mealybugs on a bunch and Sooty mould