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Preventative action and controls for common bacterial and fungal pathogens and insect pests of orchids

Pathogen	Preventative		Infection	
	Product	Treatment	Product	Treatment
Brown rot ( <i>Erwinea</i> )	NaOCl Fongarid	5ml/l as a drench Prophylactic spray as per manufacturer's advice for ornamentals	Ridomil Gold Kocide Blue Extra NaOCl	Removal of infected leaves/plants 2gm/l 1.5gm/l 5ml/l as a drench
Bacterial Brown Spot ( <i>Pseudomonaas</i> )	Alginox, Kocide, Blue Extra, Yates Liquid Copper	15ml/4l as a drench Other products as per manufacturer's instruction for ornamental plants	Ridomil Gold NaOCl	Removal of infected leaves/plants 2gm/l 5ml/l as a drench
Crown & Root Rot ( <i>Rhizoctonia</i> )	Alginox, NaOCl  Kocide, Blue Extra, Yates Liquid Copper	Alginox 5ml/l drench for other plants. Other products as per manufacturer's rate for ornamental plants	Ridomil Gold WP	Removal of infected leaves/plants 2 gm/l
Black Rots ( <i>Phytophthora</i> and <i>Pythium</i> )	Alginox NaOCl Fongarid	15ml/4l as a drench 5ml/l as a drench Manufacturer's recommended rate for ornamentals	Ridomil Gold WP Fongarid Yates Anti Rot  Alginox	2 gm/l Manufacturer's recommended rate for ornamentals 15ml/4l
Tropical Fungi ( <i>Anthraxnose</i> , <i>Cercospora</i> , <i>Glomerell</i> and <i>Gloeosporium</i> )	Mancozeb, Zineb Coppox WG, Amgrow Copper Oxychloride, Bordeaux, Kocide Blue Extra, Fongarid	At manufacturer's rate for ornamentals. Rotation of chemicals is important to minimise developed resistance	Octave/Mancozeb	1gm/l Octave and 2gm/l Mancozeb sprayed onto both sides of leaf until runoff.
<b>Insect Pest</b>				
Aphids	Predatory wasps <i>Aphidius colemani</i> , <i>Aphidius ervi</i> and <i>Aphelinus abdominalis</i>		Soapy water Eco-oil	Wash insects off Manufacturer's recommended rate for ornamentals
Caterpillars and loopers	Manual exclusion and removal		Dipel	Manufacturer's recommended rate for ornamentals
Mealy Bug	Methylated spirit and water Predatory ladybird <i>Cryptolamus</i>	Spray or dab onto insects	Eco-oil Pest oil Confidor	Manufacturer's recommended rate for ornamentals
Slugs and snails	Slug and snail baits (Methocarb or Metaldehyde)	Distribute in area. Keep dry	Metaldehyde	Manufacturer's recommended rate for ornamentals
Soft and hard-bodied scale	Methylated spirit and water  Eco-oil	Spray or dab onto insects	Eco-oil Pest oil Confidor	Manufacturer's recommended rate for ornamentals
Two-spotted mite & False spider mite*	Wettable sulphur  Predatory mite <i>Phytoseiulus persimilis</i>	Spray at 2gm/l as part of a prophylactic program	Stealth®, Acramite®, Floramite® & Vertimec®	Manufacturer's recommended rate for ornamentals
Thrips	Killer mites <i>Hypoaspis aculeifer</i> <i>Orius tantillus</i>		Rogor	Manufacturer's recommended rate for ornamentals