

Powdery mildew on mango

Oidium mangiferae



Leaves showing symptoms of the disease (Scot Nelson, www.flickr.com)



Infection of the flowers (Scot Nelson, www.flickr.com)

Prevention	Monitoring	Direct Control	Direct Control	Restrictions
<ul style="list-style-type: none"> Plant at wider spacing from 8x8m to 12x12m. If you plant at 2x2m, keep thinning until the standard spacing is reached Prune the trees once every year soon after harvest to open up the canopy for free circulation of air (to reduce humidity and the disease) Grow less susceptible varieties such as Tommy Atkins 	<ul style="list-style-type: none"> Check for circular, powdery white spots on young leaves as soon as plants germinate and during flushing (new leaves and flowers) stages Check for dusty white to grey coating on the underside of the leaves and on flowers Check for leaf distortions followed by drying and eventual defoliation Check for greyish moulds on fruitlets which when the fruitlets enlarge become purple-brown blotchy lesions that crack and form corky tissue If a quarter of the canopy is showing symptoms (brownish leaves) and signs (presence of mycelium of the affected parts) of the disease follow the direct control methods 	<ul style="list-style-type: none"> Remove/prune and destroy infected plant parts by burning. Keep all equipment used during the operation clean and dry in the right place. Clear all the bushes and trash that are in the orchard Spray with a solution of 6 spoonfuls of baking powder OR 3 spoonfuls of white oil and white bar soap foam in 15 litres of water and spray the trees 	<ul style="list-style-type: none"> Use personal protective equipment when handling and applying pesticides, follow the label recommendations. Do not eat, drink or smoke when mixing or applying pesticides. 	
			<ul style="list-style-type: none"> Alternate fungicides to avoid resistance occurring 	<ul style="list-style-type: none"> Spray with thiophanate-methyl (Topsin, T-methyl) at the rate of 10g in 10L of water. FRAC group: 1 Spray with tebuconazole (e.g. Folicur 250EW), 20ml/100L of water. FRAC group: 3



Malawi

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