

Coffee Berry Disease

Colletotrichum kahawae

	Prevention	Monitoring	Direct Control	Direct Control	Restrictions
 <p>Progressive sunken black lesions on green coffee berries (Photo by J.M Waller/CABI Bioscience)</p>  <p>Dark sunken lesions on ripe berries (Photo : www.Hawaiiplantdisease.net)</p>	<ul style="list-style-type: none"> ◆ Plant resistant varieties e.g. Ruiru 11 or Batian ◆ Prune properly after harvest to maintain open penetration and improve aeration ◆ Remove old stems and thin out branches as the old stems are more susceptible than young ones ◆ Change the crop cycle after every 7 years ◆ Do a pre-rain preventive spray before the short and long rain seasons. (see yellow direct control) 	<ul style="list-style-type: none"> ◆ During wet, cold and humid conditions inspect for: <ul style="list-style-type: none"> ◆ Brown black sunken spots on berries ◆ Lesions on young berry stalk that shed off ◆ Visible pink spore masses on lesions ◆ Black berries ◆ Apply direct control immediately after noting signs of disease 	<ul style="list-style-type: none"> ◆ Pluck off diseased berries, collect in a container and destroy by burning or burying ◆ Cut back the affected plants and graft gradually using resistant varieties like Ruiru 11 or Batian 	<ul style="list-style-type: none"> ◆ Spray using Copper oxychloride based products such as Kocide, Funguran, Cobox 50WP at 50g/20L in water) ◆ FRAC Code M1 	<ul style="list-style-type: none"> ◆ Spray interval 35 days in dry weather or 60 days in extremely dry weather ◆ WHO Class II (Moderately hazardous) ◆ PHI 7 days
				<ul style="list-style-type: none"> ◆ Copper Oxide + Dithianon (110 g + 30 g)/20 L in water (Such as Cobox 50 WP and Delan 500SC) ◆ FRAC Code M1 	<ul style="list-style-type: none"> ◆ In very wet weather and during berry expansion stage, it is very important to have a tank mix of copper oxide + dithianon ◆ Spray interval 14 days during wet weather ◆ Copper Oxide: WHO Class II (Moderately hazardous) ◆ Dithianon: WHO Class II (Moderately hazardous) ◆ PHI 7 days
<ul style="list-style-type: none"> ◆ When using a pesticide always wear protective clothing. Follow the instructions on the product label, such as dosage, timing of application, pre-harvest interval, max number of sprays, restricted re-entry interval. Do not empty into drains ◆ WHO class II pesticides might not be allowed in local IPM schemes ◆ Always consult recent list of registered pesticides (PCPB) 					

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