




# Collar Rot on Cowpea

*Sclerotium rolfsii* (Sinhala: Padastha kunuwima, Tamil: Kaluthu alulkal noi)

	Prevention	Monitoring	Direct Control	Direct Control	Restrictions
 <p>Seedling infection FCRDI, Mahailuppallama Lakmini Priyantha</p>	<ul style="list-style-type: none"> <li>• Deep ploughing once in 3-4 season</li> <li>• Sterilization of soil by exposing to bright sunlight</li> <li>• Remove and destroy previous season's infected crop debris</li> <li>• Crop rotation with non-leguminous crops</li> <li>• Sowing on raised beds to improve drainage</li> <li>• Avoid accumulation of leaf litters in the crown area</li> </ul>	<ul style="list-style-type: none"> <li>• Make regular field visits and look for followings -</li> <li>• yellowing of leaves in isolated patches</li> <li>• decay of stem base or collar region at ground level and wilting</li> <li>• Appearance of white mycelium in collar region which extended into the soil and on organic debris.</li> <li>• Numerous tan to brown, spherical sclerotia of about mustard seed size near the collar region</li> </ul>	<ul style="list-style-type: none"> <li>• Remove affected plants with soil and burn</li> <li>• Avoid irrigation through infected to healthy fields</li> </ul>	<ul style="list-style-type: none"> <li>• Apply fungicide as soil drench to infected area and surrounding healthy plants only</li> </ul>	
 <p>Yellowing of leaves FCRDI, Mahailuppallama Lakmini Priyantha</p>				<ul style="list-style-type: none"> <li>• Always wear personal protective equipment while handling pesticides</li> </ul>	
 <p>White mycelium at the collar region FCRDI, Mahailuppallama Lakmini Priyantha</p>				<ul style="list-style-type: none"> <li>• Read the manufacturer's instructions carefully before handling pesticides</li> </ul>	
				<ul style="list-style-type: none"> <li>• Do not eat, smoke or drink while spraying pesticides</li> </ul>	
				<ul style="list-style-type: none"> <li>• Thiophanate Methyl 70% WP. Application rate - 30g in 50 lit. of water for 10m<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• WHO Classification – class U. Moderately harmful to predatory mites and flower bugs</li> </ul>

## Sri Lanka

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