

# Leaf spot of Tree Tomato

*Alternaria* sp.



Brown leathery spots with faint concentric rings, which later become uneven (photo: Hannah Oduor, MOALF)

Prevention	Monitoring	Direct Control	Direct Control	Restrictions
<ul style="list-style-type: none"> <li>Plant clean planting materials from KALRO Embu and nurseries registered by HCD and inspected by KEPHIS</li> <li>Avoid plant injury during transplanting</li> <li>Maintain proper spacing of 2m x 3m</li> <li>Avoid planting near related crops e.g. tomatoes, eggplants, potatoes</li> <li>Maintain optimal crop fertility by applying manure and fertilizer as per soil test recommendation to ensure plant vigour</li> <li>Keep the farm weed free</li> <li>If irrigating, do it early in the morning to ensure drying of the foliage to lower humidity.</li> <li>Destroy and bury infected crop debris 3 feet deep after harvesting</li> <li>Rotate crop with non-Solanaceae family plants e.g. maize, beans and peas for at least 2 seasons</li> </ul>	<ul style="list-style-type: none"> <li>Look out for:                             <ul style="list-style-type: none"> <li>Small dark brown to black spots on lower shaded leaves, stems and fruit</li> <li>Spots that are brown and leathery with faint concentric rings, which later become uneven</li> </ul> </li> <li>Take control measures when one plant shows spots.</li> </ul>	<ul style="list-style-type: none"> <li>Prune and destroy by burying affected leaves and old leaves 3 feet deep, to reduce inculum.</li> </ul>	<ul style="list-style-type: none"> <li>Always wear protective clothing when using pesticides.</li> <li>Follow the instructions on the product label, such as dosage, timing of application, pre-harvest interval, maximum number of sprays, restricted re-entry interval</li> <li>Always consult recent list of registered pesticides (PCPB)</li> <li>Spray with Azoxystrobin based fungicides e.g. Ortiva or Milestone @20ml/20L of water</li> <li>Spray mancozeb e.g. Farmcozeb @ 50 g per 20 L of water</li> <li>Copper-based fungicide e.g. copper oxychloride (Amicop 50WP or Cobox 50WP @ 60g per 20l water)</li> </ul>	<ul style="list-style-type: none"> <li>WHO Class U (unlikely to present acute hazard in normal use). Spray fortnightly. Maximum 2 sprays/season.</li> <li>WHO class II (moderately hazardous). MRLs 0.5mg/kg. REI 12hrs. Repeat fortnightly. Maximum 2 sprays/season. Toxic to aquatic organisms.</li> <li>WHO Class II (moderately hazardous). PHI 7 days, REI 24hrs. Spray fortnightly. Maximum 2 sprays/season. Toxic to aquatic organisms.</li> </ul>



## Kenya

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