

# Bacterial wilt on tomatoes

*Ralstonia solanacearum*



Rapidly wilting plant due to bacterial wilt (photo by A. Massawe)

Prevention	Monitoring	Direct Control	Direct Control	Restrictions
<ul style="list-style-type: none"> <li>◆ Use tolerant and certified varieties such as Prostar F1, Libra F1, Taiwan F1, Kenton and Fortune maker.</li> <li>◆ Carry out soil testing and avoid planting in fields with infection</li> <li>◆ Practise crop rotation with non solanaceous plants e.g. cereals, beans and cabbages.</li> <li>◆ Avoid planting in low wet areas</li> <li>◆ Destroy related plants of Solanaceae family which act as alternative hosts. Plants such as night shades, sweet potato growing near the tomato crop.</li> <li>◆ Avoid movement of farm implements from infected to clean fields. Ideally clean all implements before using in the next field.</li> <li>◆ Avoid runoff water coming in contact with uninfected fields.</li> <li>◆ Use recommended spacing</li> <li>◆ Bio-fumigate with mustard and Radish</li> </ul>	<ul style="list-style-type: none"> <li>◆ Begin scouting throughout the growing cycle right from the nursery</li> <li>◆ Observe on the vegetative parts for the disease symptoms such as wilting of the entire plant.</li> <li>◆ Start management when one plant is observed to show symptoms.</li> </ul>	<ul style="list-style-type: none"> <li>◆ Uproot and destroy by burning and burying all infected plants.</li> <li>◆ Apply Wood ash in the affected holes after uprooting plants</li> <li>◆ Carry all affected plants in bucket or polythene bags carefully as they are taken for destruction to avoid spread of the disease.</li> <li>◆ Carry out prolonged flooding of fields where bacterial wilt has been present</li> </ul>	<ul style="list-style-type: none"> <li>◆ Spray with Copper oxychloride or Copper hydroxide at 60gm/20 of water.</li> </ul>	<ul style="list-style-type: none"> <li>◆ Moderately hazardous (WHO II)</li> <li>◆ Mode action: Copper based fungicide</li> <li>◆ Toxic to aquatic organism</li> <li>◆ Wear protective clothing when handling chemicals</li> <li>◆ Follow instruction on the product label such as dosage, pre-harvest interval and appropriate time of application</li> </ul>



## Kenya

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