




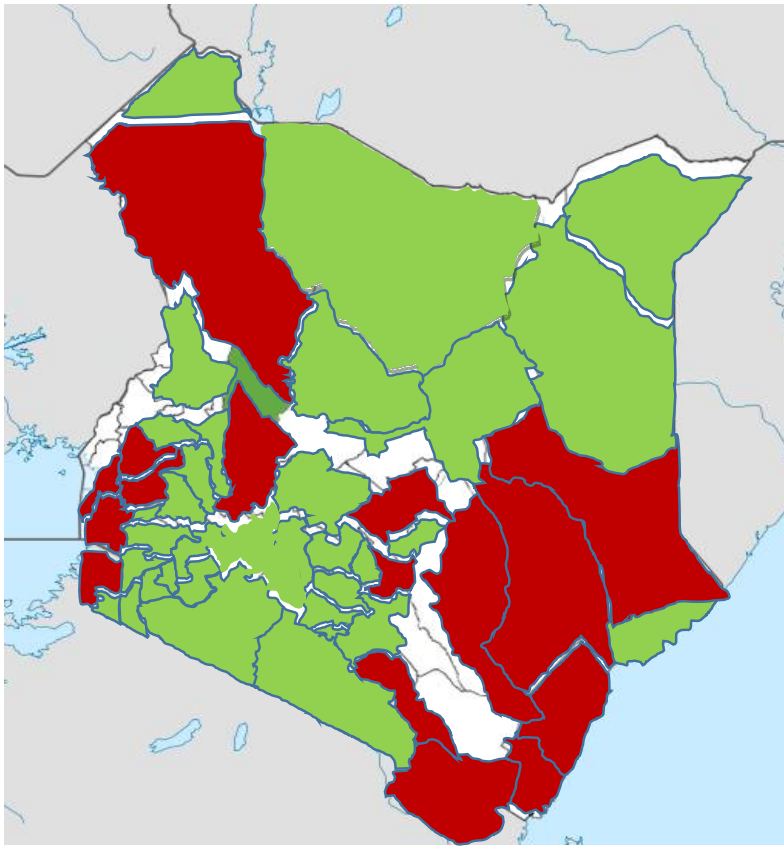


## KARI E-mimea Plant Clinic

KARI/e-Mimea factsheets No. 19/2014

**Disease name:** Anthracnose and Red rot  
**Crop affected:** Sorghum

		
Symptoms of anthracnose on an infected sorghum leaf	Symptoms of anthracnose on an infected sorghum leaf	Stalk rot of sorghum caused by anthracnose
<b>Disease Name</b>	Anthracnose and Red rot (fungus – <i>Colletotrichum graminicola</i> )	
<b>Description</b>	Anthracnose, caused by <i>Colletotrichum graminicola</i> , can develop on both leaves and stems of susceptible plants. This disease is most serious in the humid regions of Kenya.	
<b>Disease / Pest Category</b>	This disease is widespread in sorghum growing areas in the country and occurs seasonally.	
<b>Symptoms</b>	Small (0.1 to 0.25 inch), circular, red wounds with distinct margins appear on leaves and cause defoliation. These wounds may enlarge slightly in humid weather. Tan spots with red-purple margins develop on upper portions of stalks. The inside of these stalks are brick red interspersed with the normal white colour of healthy tissue. Diseased stalks lodge at the point of infection, and yields may be reduced. In severe cases, plants may die before maturity.	
<b>Conditions prevailing that contribute to success</b>	<ul style="list-style-type: none"> <li>• Continuous rain.</li> <li>• Temperatures of 28-30°C.</li> <li>• High humidity.</li> </ul>	
<b>Control Strategy</b>	<ul style="list-style-type: none"> <li>• Destroy crop residues from previous crop to reduce inoculum levels.</li> <li>• Deep ploughing</li> <li>• Treat seeds with a fungicide seed dresser</li> <li>• Plant resistant hybrids</li> <li>• Remove or cut down wild alternative hosts.</li> </ul>	

	<ul style="list-style-type: none"> <li>Spray the crop with Mancozeb 2 kg/ha</li> </ul>
<b>Mandate Centres</b>	KARI Kitale, Katumani, Kisii
<b>Reference Links – book, journal paper, magazine, brochure, bulletin, fact sheet, web etc</b>	<a href="http://plantdiseasehandbook.tamu.edu/food-crops/cereal-crops/grain-sorghum">http://plantdiseasehandbook.tamu.edu/food-crops/cereal-crops/grain-sorghum</a> <a href="http://www.plantwise.org/KnowledgeBank/CountryHome.aspx">http://www.plantwise.org/KnowledgeBank/CountryHome.aspx</a>
<b>Geographic Coverage</b> In all sorghum growing areas in the country	
<b>Expert Name – Dr. Mr., Mrs., Ms. (circle one)</b>	Mr. Patrick Kalama and Ms Mary Wanyonyi
<b>Expert Contact Details</b>	<a href="mailto:patrickkalama@gmail.com">patrickkalama@gmail.com</a> ; <a href="mailto:mwanyonyi09@yahoo.com">mwanyonyi09@yahoo.com</a> or <a href="mailto:karikitale@yahoo.com">karikitale@yahoo.com</a>