# Sigatoka of banana

*Mycosphaerella musicola*

## Prevention
- Plant disease free suckers
- Follow proper plant spacing (8x8 to 12x12 ft) in order to avoid mutual shading and contact of leaves
- If possible keep appropriate isolation distance (100-500 ft.) between existing affected plantations and new plantations to prevent disease spread
- Apply balanced fertilizers, avoid use of excess urea; follow fertilizer BARC recommendation
- Remove old hanging leaves and remove and burn leaves following banana harvest
- Keep the orchard clean and intercrop with mustard or other short duration crops or keep weeds and grasses cut short to keep humidity low.

## Monitoring
- Regularly visit the field to identify the characteristic light yellow spots or streaks parallel to the veins towards the leaf margins in the lower most leaves.
- Look for the elongated spots which turn brown with light grey centres. In severe cases drying out of leaf edges occurs.
- If the third or fourth leaf is found infected, then fungicides should be applied 2- 3 times at 15 day intervals

## Direct Control
- Remove infected leaves and burn them to reduce inoculum levels because the pathogen survives in the infected banana leaves and spreads through windborne conidia.
- Use protective clothes and mask during spraying
- Make sure that the spray reaches the top of the leaves
- Foliar spray with Propiconazole @ 0.5 ml/Litre of water
- Foliar spray with Carbendazim @ 2 gm/Litre of water.
- Foliar spray with Tebuconazole 250 EW @ 1ml/Litre of water)
- Foliar spray with Difenconazole usually at @ 0.5 ml/Litre of water)
- WHO II; FRAC Class III; toxic to aquatic organisms; systemic with protective and curative action
- WHO II; FRAC Class I
- WHO II; FRAC Class III; toxic to environment; moderately hazardous; systemic with preventive, curative and eradicative action
- WHO II; FRAC Class III; toxic to environment; moderately hazardous; systemic with preventive, curative and eradicative action

## Restrictions
- Loss Reduction, Feed More
- Plantwise is a CABI-led global initiative
- www.plantwise.org

---

**Bangladesh**

**CREATED/UPDATED:** 29/07/2015  
**AUTHOR(S):** Dr. Benoy Sen, Zakia (DAE) , Dr. Aziza (BADC)  
**EDITED BY:** Plantwise