

# Red rot



Early stage red rot mid rib lesions on leaves



External symptoms of red rot affected plant shows complete dryness



Internal symptoms of red rot : Longitudinal splitting of cane shows reddish discolouration with white spots and in severe stage exhibit complete rotting of stalk tissues

# Wilt



Wilt affected plants foliage completely turned into pale yellow color and drying of the old leaves

# Smut



Smut affected clump shows long black coloured elongated whips from the apical region of the plant

## Pokkah boeng



**Chronic phase symptoms:** Leaf chlorotic patches in the crown region, leaf breaking, wrinkling, twisting, and shortening along with malformation or distortion of young leaves. Also, irregular reddish stripes and specks can be seen in the affected leaves

# Pokkah boeng



**Acute phase** : Top rot symptom, here the infections reach the growing point, spindle gets dried and rottened.

# Yellow leaf Disease



The characteristic symptom of the disease is intense midrib yellowing on the abaxial surface, lateral spread of yellow discoloration to the leaf lamina followed by tissue necrosis from leaf tip to downwards along the midrib.

# Yellow leaf disease



Field view of YLD severe infection



# Mosaic



Chlorotic appearance of the leaf mixing with alternate green and yellow stripes of mosaic pattern with varying intensity

# Mosaic



In severe stage of mosaic infection all the affected leaves gets dried up from tip to downwards

## Grassy shoot disease



The characteristic symptom of the disease is production of lean, lanky, chlorotic or green tillers in numerous numbers which gives typical grassy appearance of shoot with severe stunting

# Aerated Steam therapy (AST) Unit



Used to reduce GSD and RSD pathogen inoculum from the seed cane material

# Sett Treatment Device (STD)



Used for treating seed cane material for the management of fungal diseases