

Weed problem in open space



Yam Production
Dioscorea sp



Region I

Officer:
Abigail Laborde

Produced by: The Communications Unit
Ministry of Agriculture, Forestry & Fisheries.

Common Pests of Yam (Insects)

- Yam scale – *Aspidiella bartii*
- Coconut scale – *Aspidiotus destructor*
- Coreid bug – *Chariesterus gracilicornis*
- Mirid bug – *collaria oleosa*

Common Pests of Yam (Pathogens)

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Common Pests of Yam (Pathogens)

- Leaf spot – *Cercospora spp.*
- Spiral nematode – *Helicotylenchus dihystra*
- Burrowing nematode – *Radopholus similis*
- Antracnose - *Colletotrichum gloeosporioides*

Disease Management

Antracnose which is caused by the fungus *Colletotrichum gloeosporioides*



Characteristics

- Infection from inoculum borne within the planting sett or in the soil
- Results in blackening and die-back of the leaves and shoot.

Management Practices for Disease

- Healthy planting materials are used to establish the crop.
- Setts are soaked in a fungicide mix before planting.
- The row alignment gives maximum exposure to sunlight.
- The least resistant cultivars are planted down wind/slope.
- Resistant cultivar (e.g. Belep, Kinabayo, Oriental).
- Fungicide
- (e.g benomyl, Mancozeb (Dithane M45) and Ridomil – planting setts
- Banrot and Rizolex – soil drench
- Mankocide and Bellis – crop growth

Management Practices for Disease

- Good field sanitation and drainage (weed control, raised beds, stake plants).
- A regular spray programme is maintained in which Bellis, Dithane M45 and Mankocide) are applied every two weeks on a rotational basis from one month after planting up to harvest.

Trellis system



Parthenium heterocarpon
(Whitetop)



Amaranthus dubius
(Bhaji)



Weed Management Practices

Flowering weeds after five month

