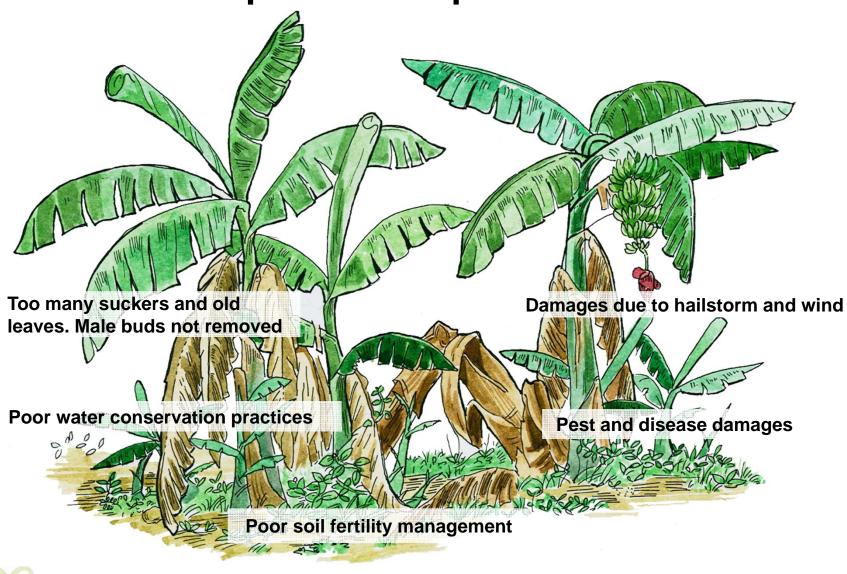
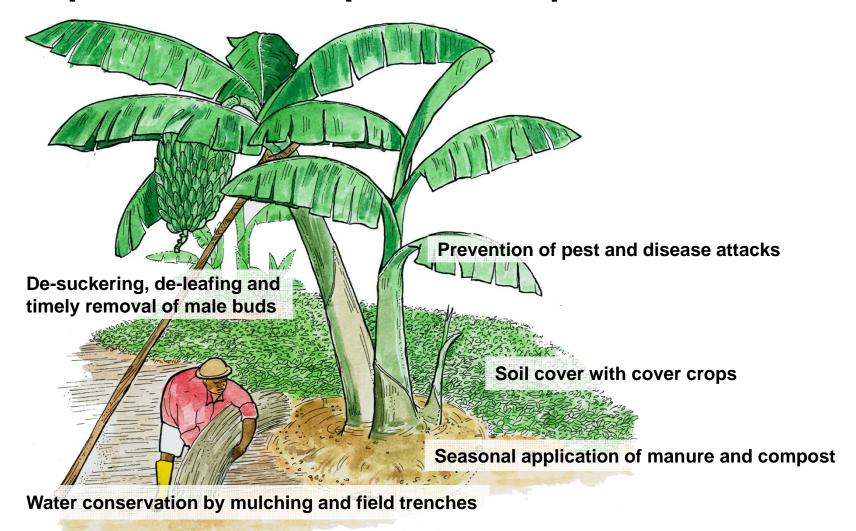
Poor banana production practices





Improved banana production practices





Preparing suckers for planting (corm pairing)



1. Remove all leaves, outer leaf sheaths and roots and trim off part of the corm to eliminate weevils, weevil eggs and nematodes.





2. Remove any brown and black spots that may appear on the corms until only white corm tissue remains.

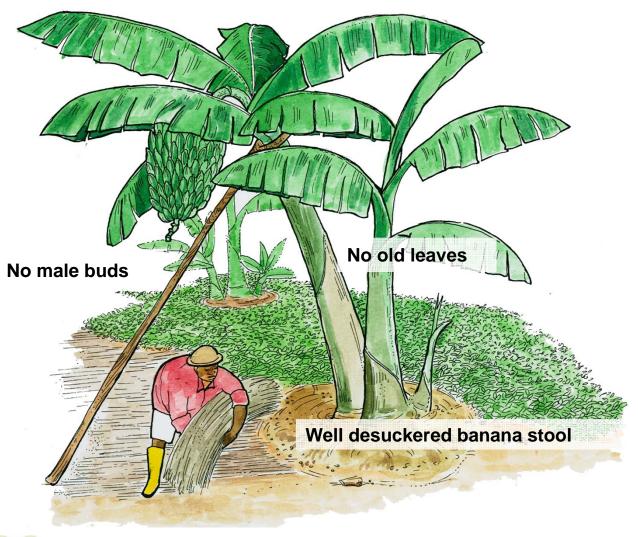
Hot water treatment of suckers



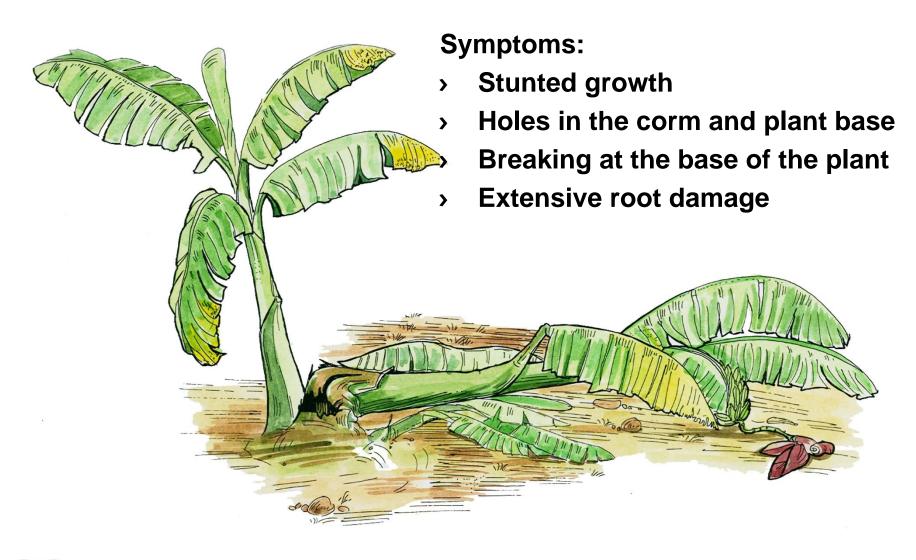
1. Boil water.

2. Mix same amount of boiling water and normal cold water. Soak the base of the plant in the hot water (60°C) for about 10 minutes. This will kill all nematodes.

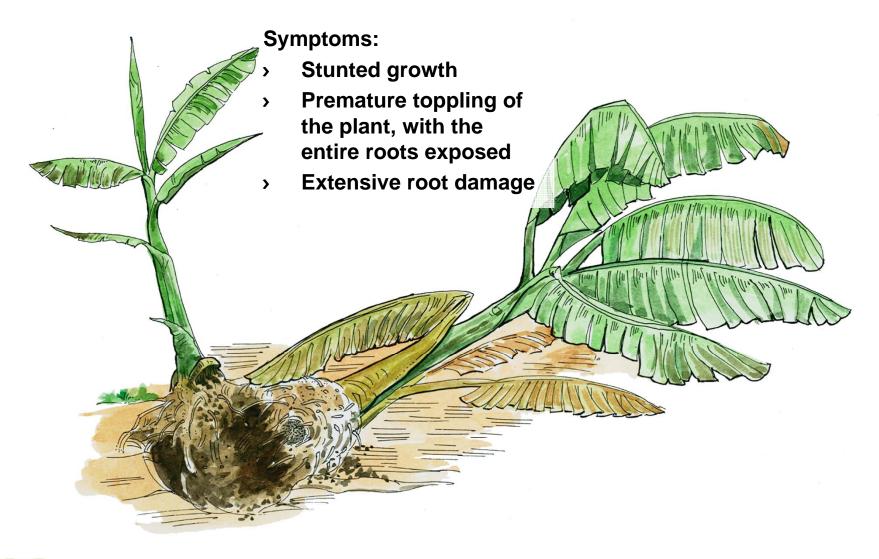
Routine management practices



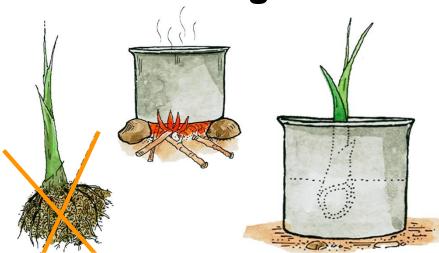
Banana weevil damage



Nematode damage



How to manage nematode and weevil damage



1. Use clean planting materials for establishing new gardens



3. Clean tools and shoes or feet before entering a healthy garden.



2. Add compost in planting holes, top-dress with organic manures and mulch with organic materials



4. Heavily infested gardens should be cut down and planted with another crop



Bacterial wilt damage

Symptoms:

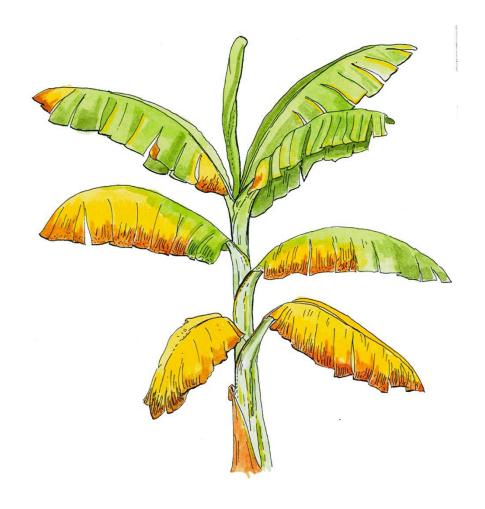
- > Yellowing of leaves
- Premature ripening of the banana bunch
- The male bud dries prematurely
- A pus-like liquid flows when the stem is cut
- > Eventually the plant dies



Fusarium wilt damage

Symptoms:

- Yellowing of leaves
- > Leaves eventually collapse
- Discoloured vessels of the pseudostem
- > Eventually the plant dies



Management of bacterial & fusarium wilt diseases



1. Remove all male buds as soon as the bunch forms in case of bacterial wilt



4. Disinfect all tools



2. Cut any plant when showing first symptoms



3. Heap the plants to rot or burn, to limit the spread of the disease



5. Replant new banana after at least 2 years using clean planting materials

Black Sigatoka

Symptoms:

- > Discolouration and leaf necrosis
- > Poor fruit formation and small finger
- > Reduced yields

Control:

- Maintain proper spacing
- Remove old leaves and mulch them in non-banana gardens
- > Improve soil fertility

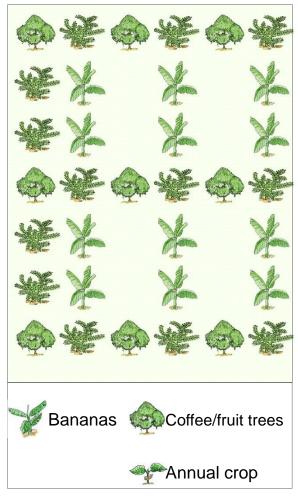


Arrangement of bananas and intercrops

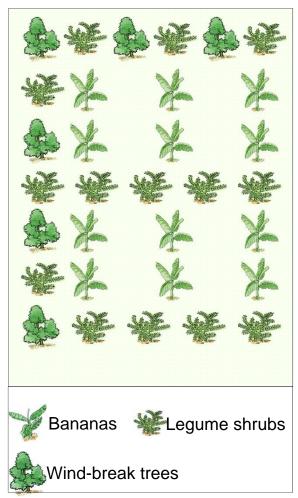
1. Less bananas/annual crops

Bananas Legume shrubs rees Annual crop

2. More bananas/perennial crops



3. Banana/legume shrups





Banana agroforestry (multistorey) system



Water conservation trenches in a banana plantation





How to improve soil fertility



Add compost to the planting hole



Regularly apply compost and grow cover crops



Apply mulch or grow a cover crop



Proper post harvest handling of banana





Certification of organic banana production

Delete this transparency

