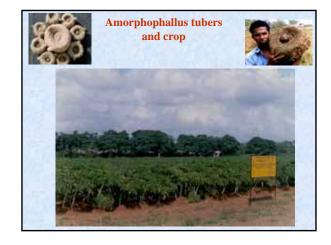
Diseases of Edible Aroids in India and their Management

R.S.Misra Central Tuber Crops Research Institute Trivandrum (India) Aroids: Plants belonging to the family Araceae Among cultivable tropical tuber crops, the following are commercially cultivated edible aroids in India:

- 1. Amorphophalus paeoniifolius
- 2. Colocasia (C.esculenta var.esculenta and C.esculenta var.antiquorum): Dasheen and Eddoe types
- 3. Xanthosoma (Tannia)
- 4. Alocasia



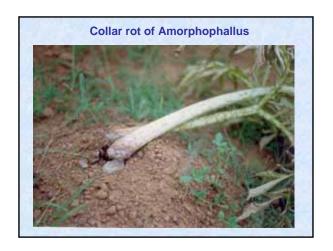


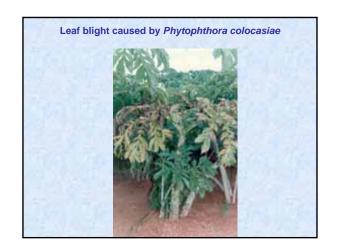
Amorphophallus Mosaic Disease

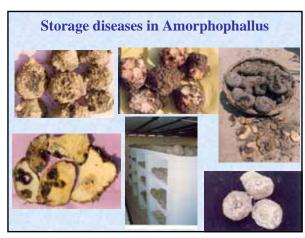
Primary spread is through planting material. Secondary spread of the disease is through insect vectors, *Myzus persicae* Sulz., *Aphis gossypii* Glover, *A. craccivora* Koch. and *Pentalonia nigronervosa* coq.

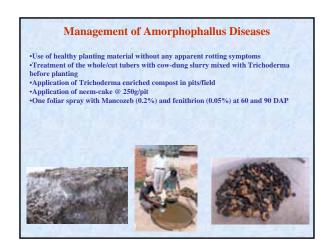
Disease symptoms include mosaic mottling of leaves and distortion of leaf lamina. Corms produced by the mottled plants are much smaller than those without mottled leaves.

Management: Use of virus free planting material, spraying of systemic insecticides to prevent secondary spread



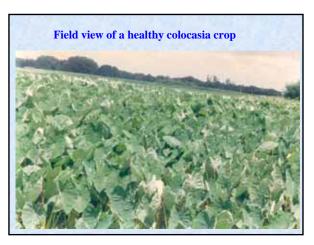




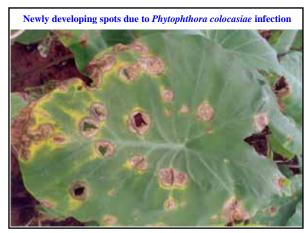


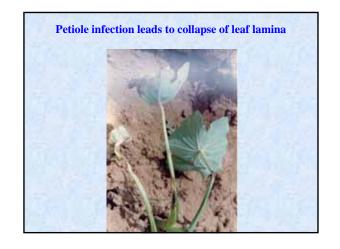


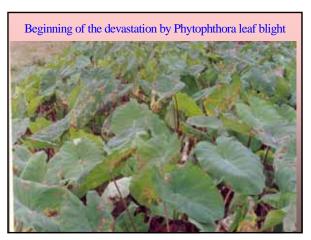


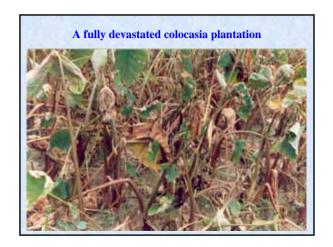






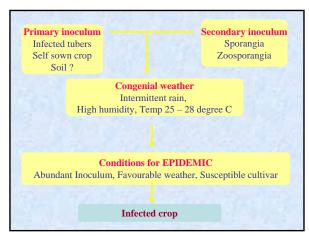




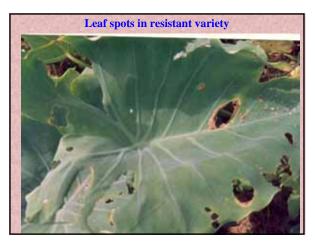


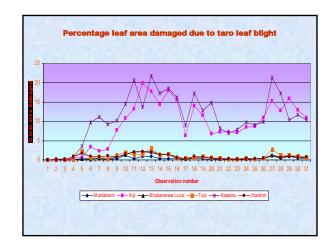


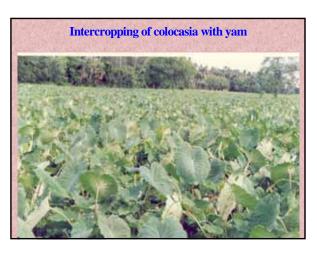


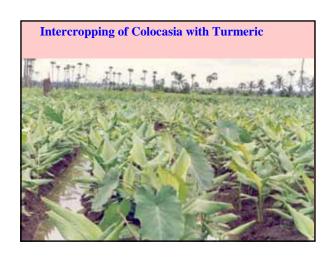


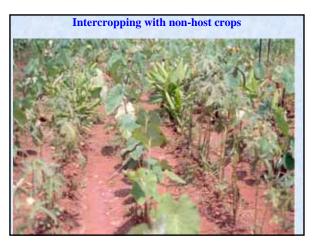


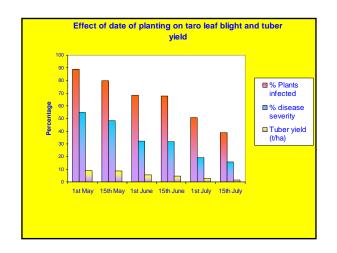


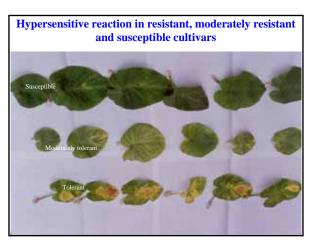


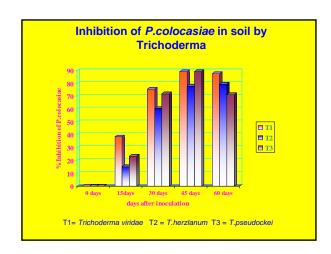














Strategies for the Management of Phytophthora leaf blight disease of colocasia

- Use of healthy planting material
- Use of tolerant/resistant cultivars, if available
- Suitable adjustment in planting dates to escape disease/crucial stage
- · Field Sanitation and removal of infected leaves
- Intercropping with non-host crops
- Removal of self-sown plants from the vicinity
- Preventive sprays with Mancozeb(Protective) and Metalaxyl (Systemic) as a last resort

