

**International Plant Diagnostic Network (IPDN) West
Africa: Stakeholder Meeting & Training Workshop**

**Activities, technical and human
capacities, and constraints in diseases
diagnostic in Benin**

**Rachidatou Sikirou
&
Gualbert Gbèhounou
Laboratoire de Défense des Cultures
INRAB, Benin**

Importance of diagnosis of diseases in Benin

Every year and at any meetings with farmers, they express the crucial needs to Know the harmful diseases of their cultivated crops

Diagnosis of Priority Diseases

- **Food crops:**

- Cowpea
- Yam
- Cassava
- Soybean
- Groundnut

- **Main diseases**

- BB, Rust
- Anthracnose
- ACMV, BB
- Bacterial spot
- Rust

Diagnosis of Priority Diseases

- **Fruit crops**

- Banana
- Mango

- **Manufactory crops**

- Oil palm

- **Main diseases**

- Sigatoka, B and F wilt
- Anthracnose

- **Manufactory crops**

- Fusarium wilt

Diagnosis of Priority Diseases

- **Vegetables**

- Leafy
- Tomato
- Pepper
- Onion
- Okra
- Potato
- Carrot
- Cabbage
- etc.

- **Main Diseases**

- S, F Wilt, Anthracnose
- S, F, B Wilt, B spots
- Anthracnose
- Anthracnose
- Mosaic virus
- **Bacterial wilt**
- Nematode Meloido.
- Bacterial blight

Problems of diagnosis of pathogens

- **Personal problem:**
 - 1 Phytopathologist (PhD)
 - 1 Weed scientist (PhD)
 - 1 Entomologist (PhD)
 - Technicians
 - 1 college level
 - 1 Masters level
 - lack of technical assistants

Material problems

- **Available**
 - 1 Refrigerator
 - 1 Incubator
 - 1 Microscope
 - 1 desktop computer
 - 1 Balance
 - 1 defective autoclave
 - 1 stove

Material problems

- **Not available**
 - Laminar Flow hood
 - Greenhouse
 - Camera
 - Growth chamber
 - Standard equipment (Hot plate, Vortex, Autoclave, Incubator, Shaker)

Material problems

- **Not available**
 - Internet access
 - Serology equipment and reagents
 - PCR equipments

Needs for diagnosis of pathogens

- **All not available materials**
- **Training of trainers**
- **Recruitment of technical assistants**
- **Conservation of isolated pathogens**

Thanks for your attention