



# **DISEASES OF FIELD AND HORTICULTURAL CROPS – I**

## **SESSION 26 OKRA DISEASES**

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# Important Diseases

## ❖ Major Diseases

1. Yellow vein mosaic - *Bhendi yellow vein mosaic virus*

## ❖ Minor Diseases

1. Leaf spot - *Cercospora abelmoshi*
2. Powdery mildew - *Erisiphae cichoracearum*

# Bhendi Yellow Vein Mosaic

❖ *Bhendi yellow vein mosaic virus*

## ❖ Symptoms

1. Yellowing of the entire network of veins in the leaf blade (vein clearing) is the characteristic symptom.
2. In severe infections the younger leaves turn yellow, become reduced in size
3. The plant is highly stunted.
4. Infection restricts flowering and fruiting
5. Fruit turns smaller, harder and rough.





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Healthy

Infected



## ❖ Disease cycle

- ❖ Primary infection – Collateral hosts
- ❖ Secondary infection – *Bemisia tabaci*

## ❖ Etiology

- ❖ *Begomovirus*



## ❖ Management

1. Resistant varieties - **Parbhani Kranti**, Pusa savani, Janardhan, Haritha, Arka Anamika and Arka Abhay
2. Field sanitation
3. Roughing
4. Vector control

# Leaf Spot

❖ *Cercospora malalensis*, *C. abelmoschii*





# Bacterial wilt

❖ *Erisiphae cichoracearum*

