

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Guava Anthracnose

- **Symptoms**
- The disease mostly affects the tender parts of the tree such as young leaves, shoots, flowers and fruits.
- **Die back phase**
- The young shoots, leaves and fruits are readily affected.
- The greenish colour of the growing tip is changed to dark brown and later to black necrotic areas extending backwards causing the die back.
- The young fruits droop down and dry up.
- The disease becomes severe during August to September.

- **Fruit and leaf infection phase**
- Fruit and leaf infection mostly occurs in rainy season crop.
- Small pin-head spots are first manifested on unripe fruits, which later enlarge to form sunken, circular spot of dark brown to black in color.
- The unripe fruits become harder and corky.
- C.O. *Colletotrichum gloeosporioides*
- *Gloeosporium psidii*



Stylar End Rot

- **Symptoms**

- The disease symptoms appear as discoloration on the lower region adjoining the persistent calyx. This area increases in size and turns dark brown.
- The affected area becomes soft. Epicarp and mesocarp tissue show discoloration and the diseased area becomes light brown in colour.
- *C. O. Phomopsis psidii*
- **Survival and spread:** Pathogen survives in infected fruit and plant debris.
- Pathogen spreads through wind.
- **Favourable conditions:** Temperature 10 to 35 °C (25 °C optimum) is favourable for disease development.

Stylar End Rot (Diseased and Healthy Fruit)



Guava decline

Symptoms

- Drying of branches occurs from tip to downward.
- Decline symptoms are manifested in case of severity of the disease.
- The whole tree declines in case of severe symptoms.

- **C.O.**
- *Colletotrichum gloeosporioides* (Aerial)
- *Fusarium semitectum* (Soil)
- *Lasiodiplodia theobromae* (Soil)
- *Tylenchulus semipenetrans* (Soil)

Epidemiology

- Warm and moist weather favours the disease.
- Optimum temperature of 25°C is favourable for the disease development.

Control

- Spray of Topsin-M 70 WP @ 2 gm/liter of water.
- Soil drenching with Topsin-M 70 WP or Score 250 EC.

*Sources

- 1. Recommended books.
 - 2. Latest research articles downloaded from Google.
 - 3. Google images.
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- *Solely for academic purpose and guidance of students.