Ultra-Fast Plant Disease Detection Report

with Explainable AI Analysis
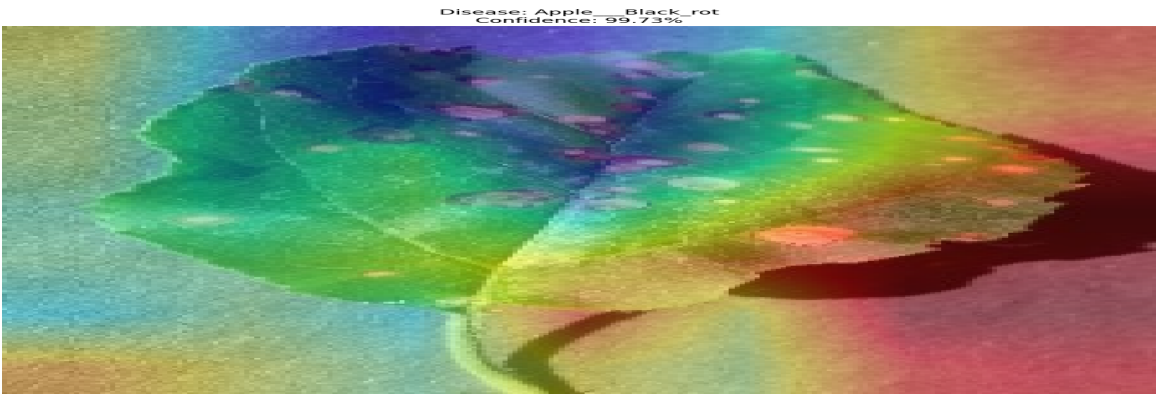
Generated on: 2025-07-13 18:47:02
Image: 20250713_184656_0bc40cc3-6a85-480e-a22f-967a866a56a1___JR_FrgE.S
2784_input.jpg

■ Diagnosis Results

Detected Disease:	Apple - Black rot
Confidence Score:	99.73%
Severity Level:	High

■ AI Explanation - Grad-CAM Visualization

The visualization shows which parts of the leaf the AI focused on. Red/yellow areas indicate regions that most influenced the diagnosis.

Disease: Apple___Black_rot
Confidence: 99.73%

■ Disease Description

Black rot is caused by the fungus Botryosphaeria obtusa affecting leaves, fruit, and bark.

■ Causes

- Fungal infection
- Drought stress
- Bark wounds
- Poor sanitation

■ Symptoms

- Dark lesions on leaves
- Mummified fruit
- Branch cankers
- Premature drop

■ Treatment & Remedies

- Prune diseased wood
- Remove mummified fruit
- Apply fungicides
- Improve sanitation

■ Prevention & Maintenance

- Regular pruning
- Proper irrigation
- Wound protection
- Debris removal