

Ultra-Fast Plant Disease Detection Report

with Explainable AI Analysis

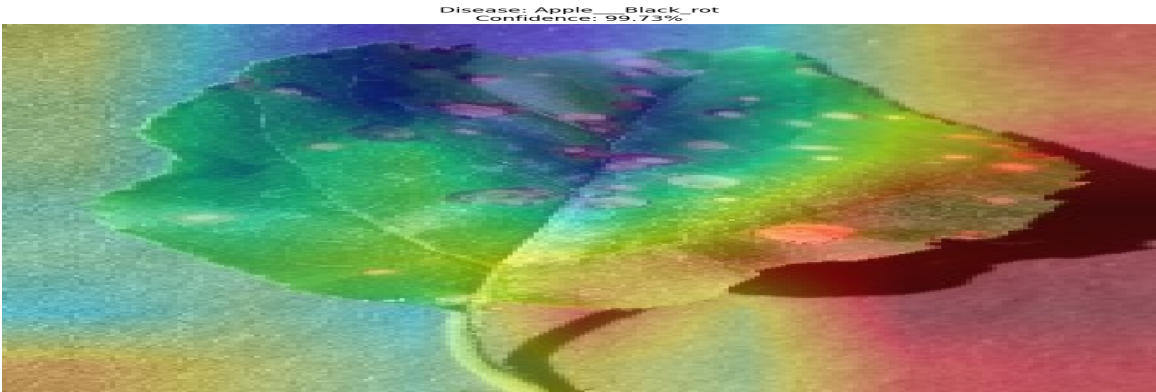
Generated on: 2025-07-13 18:56:04
Image: 20250713_185557_0bc40cc3-6a85-480e-a22f-967a866a56a1____JR_FrgE.S
2784_input.jpg

■ 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 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

■■ **IMPORTANT DISCLAIMER:** This report is generated by an automated AI system. The Grad-CAM visualization shows AI attention areas but doesn't guarantee accuracy. Please consult with professional plant pathologists for confirmation and detailed treatment plans.