

# **Crop Disease Detection Using AIML**

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**Abstract:** *The agriculture sector faces several significant challenges, including plant diseases, fluctuating market prices, and a lack of proper guidance for selecting crops suitable for different seasons. These issues often lead to reduced productivity and financial instability for farmers. This research proposes an AI-based smart agriculture system that integrates **crop disease detection**, **crop price prediction**, and **seasonal crop recommendation** within a single platform. The crop disease detection module analyzes images of plant leaves using deep learning models to accurately identify diseases and provide possible treatment suggestions. The crop price prediction module utilizes historical agricultural market data to forecast potential future prices, enabling farmers.*

**Keywords:** *agriculture*

