

# Crop Recommendation Report

Farmer: pathum (ID: 4)  
Date: 8/28/2025

## Soil & Location Information

Soil Type: Red Yellow Podzolic  
Soil pH: 6  
Nitrogen: 24 ppm  
Phosphorus: 23 ppm  
Potassium: 143 ppm  
District: Kegalle  
Agro-ecological Zone: WM2a  
Season: Yala  
Land Area: 3 hectares

## Weather Conditions

Temperature: 30.7°C  
Precipitation: 0.1 mm  
Wind Speed: 13.4 m/s

## AI Crop Recommendations

Best Match: Potato  
Confidence: 49%  
Model Accuracy: 88.28%

### Alternative Options:

Red Onion - Poor (34.31%)  
Maize - Poor (11%)

## Fertilizer Recommendations

- Apply potassium fertilizer (MOP) - 30-60 kg/ha

## Management Tips

- Potato: Hill up soil around plants
- Potato: Plant during cool months