

Crop Recommendation Report

Date: 8/31/2025

Soil & Location Information

Soil Type: Grumusols

Soil pH: 6.8

Nitrogen: 100 ppm

Phosphorus: 60 ppm

Potassium: 100 ppm

District: Badulla

Agro-ecological Zone: IU3d

Season: Maha

Land Area: 3 hectares

Avg Humidity (user): 78%

Avg Rainfall (user): 1039 mm

Temperature (user): 19.9°C

Weather Conditions

Wind Speed: 13.1 m/s

AI Crop Recommendations

Best Match: Potato

Confidence: 80%

Model Accuracy: 91.54842689697718%

Alternative Options:

Carrot - Poor (11%)

Maize - Poor (5%)

Fertilizer Recommendations

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

Management Tips

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