

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