

# Crop Recommendation Report

Farmer: Disnaka (ID: 3)  
Date: 9/5/2025

## Soil & Location Information

Soil Type: Red Yellow Podzolic  
Soil pH: 6  
Nitrogen: 120 ppm  
Phosphorus: 80 ppm  
Potassium: 100 ppm  
District: Badulla  
Agro-ecological Zone: IU3d  
Season: Maha  
Land Area: 3 hectares  
Avg Humidity (user): 75%  
Avg Rainfall (user): 1250 mm  
Temperature (user): 20°C

## Weather Conditions

Wind Speed: 8 m/s

## AI Crop Recommendations

Best Match: Carrot  
Confidence: 85%  
Model Accuracy: 91.54842689697718%

### Alternative Options:

- Potato - Poor (15%)
- Tomato - Poor (0%)

## Fertilizer Recommendations

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

## Management Tips

- Carrot: Deep, well-drained soil
- Carrot: Avoid fresh manure