

Crop Recommendation Report

Farmer: Disnaka (ID: 3)
Date: 9/4/2025

Soil & Location Information

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

Weather Conditions

Wind Speed: 7.8 m/s

AI Crop Recommendations

Best Match: Carrot
Confidence: 78%
Model Accuracy: 91.54842689697718%

Alternative Options:
 Potato - Poor (10%)
 Tomato - Poor (7.000000000000001%)

Fertilizer Recommendations

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

Management Tips

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