

Crop Fertilizer Recommendation Report

Optimized Fertilizer Requirements

Farmer: farmer (ID: 4)

Date: 9/13/2025

Soil & Location Information

Soil Type: Reddish Brown Earth

Soil pH: 6

Nitrogen: 120 ppm

Phosphorus: 80 ppm

Potassium: 100 ppm

District: Gampaha

Agro-ecological Zone: WL2b

Season: Yala

Land Area: 2 hectares

AI Crop Recommendation

Best Match: Red Onion

Confidence: 51%

Fertilizer Requirements - Red Onion

Seeding Method: nurseryTransplant

Nursery Fertilizer

Fertilizer Type	Rate per hectare	Purpose
Ammonium Sulphate	2 kg	Nitrogen & sulfur
SSP	4 kg	Phosphorus
SOP	2 kg	Potassium
FYM / Compost	1-2 kg	Organic matter

Field Fertilizer

Fertilizer Type	Rate per hectare	Purpose	Total needed for your land
Urea	125 kg (75 + 50)	Nitrogen	250.0 kg
Ammonium Sulphate	265-275 kg	Alt. for nitrogen	530.0 - 550.0 kg
TSP	100 kg	Basal phosphorus	200.0 kg
MOP	75 kg (50 + 25)	Potassium	150.0 kg
FYM / Compost	15 tons	Organic support	30.0 tons
Dolomite	1-2 tons	pH correction	2.0 - 4.0 tons

Management Tips

- Onion: Apply organic matter early