

# Crop Fertilizer Recommendation Report

## Optimized Fertilizer Requirements

Farmer: Disnaka

ID: 3

Date: 9/6/2025

### Soil & Location Information

Soil Type:	Red Yellow Podzolic	District:	Kilinochchi
Soil pH:	6	Agro-ecological Zone:	DL3
Nitrogen:	100 ppm	Season:	Yala
Phosphorus:	50 ppm	Land Area:	2 hectares
Potassium:	80 ppm		

### AI Crop Recommendation

Best Match: Red Onion

Confidence: 70%

### Fertilizer Requirements - Red Onion

Seeding Method: undefined

#### Nursery Fertilizer

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

#### Field Fertilizer

Fertilizer Requirements	Rate per hectare	Purpose	Total needed for your land
Urea	125 kg (75 + 50)	Nitrogen	250.0 kg
Ammonium Sulphate	265--275 kg	Alternative N + S	530.0 - 550.0 kg
TSP	100 kg	Phosphorus	200.0 kg

Fertilizer Requirements	Rate per hectare	Purpose	Total needed for your land
MOP	75 kg (50 + 25)	Potassium	150.0 kg
FYM / Compost	15 tons	Organic matter	
Dolomite	1--2 tons	pH correction + Mg	2.0 - 4.0 tons

## Management Tips

- Onion: Apply organic matter early
- Onion: Raised beds improve drainage