

Crop Fertilizer Recommendation Report

Optimized Fertilizer Requirements

Farmer: Disnaka

ID: 3

Date: 9/6/2025

Soil & Location Information

Soil Type:	Red Yellow Podzolic	District:	Badulla
Soil pH:	6	Agro-ecological Zone:	IU3e
Nitrogen:	120 ppm	Season:	Maha
Phosphorus:	80 ppm	Land Area:	2 hectares
Potassium:	100 ppm		

AI Crop Recommendation

Best Match: Tomato

Confidence: 100%

Fertilizer Requirements - Tomato

Seeding Method: undefined

Nursery Fertilizer

Fertilizer Requirements	Rate per hectare	Purpose
Ammonium Sulphate	2--3 g	Nitrogen
TSP	4 g	Phosphorus
SOP (preferred)	2 g	Potassium
FYM / Compost	1--2 kg	Organic matter

Field Fertilizer

Fertilizer Requirements	Rate per hectare	Purpose	Total needed for your land
Urea	110 kg (55 + 55)	Nitrogen	220.0 kg
Ammonium Sulphate	230--250 kg	Alternative N + S	460.0 - 500.0 kg
TSP	100 kg	Phosphorus	200.0 kg

Fertilizer Requirements	Rate per hectare	Purpose	Total needed for your land
MOP / SOP	100 kg (75 + 25)	Potassium	200.0 kg
FYM / Compost	10-15 tons	Organic matter	20.0 - 30.0 tons
Dolomite	1--1.5 tons	pH correction + Mg	2.0 - 2.0 tons

Management Tips

- Tomato: Stake & prune for yield
- Tomato: Mulch to conserve moisture