

FarmLens Ltd

Website: farmlens.africa | App: app.farmlens.africa | Headquarters: Nairobi, Kenya



Crop details

Elephant foot yam

Amorphophallus paeoniifolius

Family: Araceae

Categories

Roots & Tubers

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Quick stats

<u>Family</u>	Araceae
<u>Typical harvest</u>	20.0 t/ha
<u>Varieties</u>	1
<u>Pests and diseases</u>	1
<u>Seasons</u>	1

Crop profile

<u>Growth habit</u>	perennial
<u>Days to harvest</u>	240-360
<u>Main uses</u>	Tuber crop
<u>Pollination</u>	insect
<u>Origin and where it grows</u>	South/Southeast Asia; tropics

Weather, soil and spacing

<u>Best temperature</u>	24 - 32 °C
<u>Rainfall</u>	1200 - 1800 mm/yr
<u>Altitude</u>	0 - 1200 m
<u>Best pH</u>	6 - 7
<u>Soil type</u>	Deep, fertile loam
<u>Row spacing</u>	100 cm
<u>Plant spacing</u>	100 cm
<u>Planting depth</u>	10 cm
<u>Seed rate</u>	1200 kg/ha

Simple notes for farmers

About the crop: This crop is perennial; once planted it can keep producing for many years. Harvest typically starts about 240-360 days after planting.

Main use: Farmers mostly grow this crop for tuber crop.

Pollination: Mainly insect; healthy flowers and pollinators improve fruit set.

Where it grows: South/Southeast Asia; tropics. Grouped under: Roots & Tubers.

Best climate: 24 - 32 °C; 1200 - 1800 mm/yr; up to about 1200 m a.s.l.

Soil: Best at pH 6 - 7; deep, fertile loam.

Farmer guide (Mwongozo wa Mkulima)

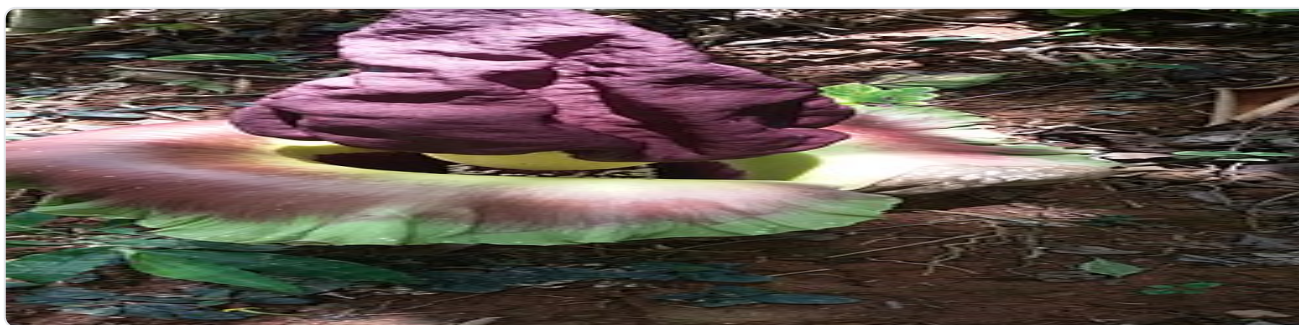
Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	NPK 17-17-17	150 kg/ha	N: N/A, P ₂ O ₅ : N/A, K ₂ O: N/A	N/A
2	Topdress	60	Urea	120 kg/ha	N: N/A, P ₂ O ₅ : N/A, K ₂ O: N/A	N/A

Nutrient requirements

Nutrient	Stage	Amount	Unit
N	Basal	60	kg/ha
P ₂ O ₅	Basal	40	kg/ha
K ₂ O	Basal	60	kg/ha
N	Topdress	60	kg/ha

Field images



Varieties

Name	Country	Maturity (days)	Traits
Local Elephant Yam	KE	300	Large corms

Fertilizer recommendations

Stage	Product	Rate	Notes
Basal	NPK 17-17-17	150	

Pests and diseases

Name	Type	Symptoms	Management
Tuber rot	disease	Rotting setts	Curing; drainage; seed treatment

Yields

System	Typical	Min	Max	Notes
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rainfed	20	12	35	
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Season calendars

<u>Country</u>	<u>Region</u>	<u>Planting</u>	<u>Harvest</u>
KE	Humid zones	Mar–Apr	Dec–Feb

Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Humid zones	Medium

Source: **FarmLens Ltd** - farmlens.africa and app.farmlens.africa. Headquarters: Nairobi, Kenya. This guide was generated from the FarmLens database.