

# FarmLens Ltd

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



Crop details

## Plantain

*Musa paradisiaca*

Family: Musaceae

Categories

Bananas & Plantains

Generated: 2026-03-14 14:37

### Quick stats

<b>Family</b>	Musaceae
<b>Typical harvest</b>	18.0 t/ha
<b>Varieties</b>	1
<b>Pests and diseases</b>	1
<b>Seasons</b>	1

### Crop profile

<b>Growth habit</b>	perennial
<b>Days to harvest</b>	320-480
<b>Main uses</b>	Starchy fruit; cooking
<b>Pollination</b>	vegetative
<b>Origin and where it grows</b>	Tropical Africa & Americas

### Weather, soil and spacing

<b>Best temperature</b>	22 - 28 °C
<b>Rainfall</b>	1400 - 2200 mm/yr
<b>Altitude</b>	0 - 1400 m
<b>Best pH</b>	6 - 6.8
<b>Soil type</b>	Deep fertile loam
<b>Row spacing</b>	300 cm
<b>Plant spacing</b>	300 cm
<b>Planting depth</b>	30 cm
<b>Seed rate</b>	kg/ha (check local recommendation)

### Simple notes for farmers

**About the crop:** This crop is perennial; once planted it can keep producing for many years. Harvest typically starts about 320-480 days after planting.

**Main use:** Farmers mostly grow this crop for starchy fruit; cooking.

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

**Where it grows:** Tropical Africa & Americas. Grouped under: Bananas & Plantains.

**Best climate:** 22 - 28 °C; 1400 - 2200 mm/yr; up to about 1400 m a.s.l.

**Soil:** Best at pH 6 - 6.8; deep fertile loam.

### Farmer guide (Mwongozo wa Mkulima)

### Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Planting	0	NPK 17-17-17	180 kg/ha	N: N/A, P <sub>2</sub> O <sub>5</sub> : N/A, K <sub>2</sub> O: N/A	N/A
2	Vegetative	90	Urea	100 kg/ha	N: N/A, P <sub>2</sub> O <sub>5</sub> : N/A, K <sub>2</sub> O: N/A	N/A

### Nutrient requirements

Nutrient	Stage	Amount	Unit
N	Basal	60	kg/ha
P <sub>2</sub> O <sub>5</sub>	Basal	40	kg/ha
K <sub>2</sub> O	Basal	120	kg/ha
N	Topdress	60	kg/ha
K <sub>2</sub> O	Topdress	80	kg/ha

### Field images



### Varieties

Name	Country	Maturity (days)	Traits
Plantain Local	KE	400	Large fingers; cooking

### Fertilizer recommendations

Stage	Product	Rate	Notes
Planting	NPK 17-17-17	180	

### Pests and diseases

Name	Type	Symptoms	Management
Black Sigatoka	disease	Leaf streaks	Sanitation; tolerant cultivars

### Yields

<u>System</u>	<u>Typical</u>	<u>Min</u>	<u>Max</u>	<u>Notes</u>
rainfed	18	8	30	

### **Season calendars**

<u>Country</u>	<u>Region</u>	<u>Planting</u>	<u>Harvest</u>
KE	Humid lowlands	Mar–May / Oct–Nov	All year (from 12–16 mo)

### **Region suitability**

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Humid lowlands	High

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