

## FarmLens Ltd

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



Crop details

### Plantain

*Musa paradisiaca*

Family: Musaceae

Categories

Bananas & Plantains

Generated: 2025-12-16 02:24

#### Quick stats

<u>Family</u>	Musaceae
<u>Typical harvest</u>	18.0 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>	320-480
<u>Main uses</u>	Starchy fruit; cooking
<u>Pollination</u>	N/A
<u>Origin and where it grows</u>	Tropical Africa & Americas

#### Weather, soil and spacing

<u>Best temperature</u>	22 - 28 °C
<u>Rainfall</u>	1400 - 2200 mm/yr
<u>Altitude</u>	0 - 1400 m
<u>Best pH</u>	6 - 6.8
<u>Soil type</u>	Deep fertile loam
<u>Row spacing</u>	300 cm
<u>Plant spacing</u>	300 cm
<u>Planting depth</u>	30 cm
<u>Seed rate</u>	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.

**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

System	Typical	Min	Max	Notes
--------	---------	-----	-----	-------

rainfed	18	8	30	
---------	----	---	----	--

### **Season calendars**

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

### **Region suitability**

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

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