

# FarmLens Ltd

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



Crop details

## Durian

*Durio zibethinus*

Family: Malvaceae

Categories

Fruits & Nuts

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### Quick stats

<b>Family</b>	Malvaceae
<b>Typical harvest</b>	8.0 t/ha
<b>Varieties</b>	1
<b>Pests and diseases</b>	2
<b>Seasons</b>	1

### Crop profile

<b>Growth habit</b>	tree
<b>Days to harvest</b>	365
<b>Main uses</b>	Premium fresh fruit for specialty high-value markets.
<b>Pollination</b>	insect
<b>Origin and where it grows</b>	Only suited to warm humid tropical production niches with reliable rainfall.

### Weather, soil and spacing

<b>Best temperature</b>	22 - 32 °C
<b>Rainfall</b>	800 - 1600 mm/yr
<b>Altitude</b>	0 - 2600 m
<b>Best pH</b>	6 - 7
<b>Soil type</b>	Deep, fertile, well-drained soil with good organic matter.
<b>Row spacing</b>	500 cm
<b>Plant spacing</b>	500 cm
<b>Planting depth</b>	30 cm
<b>Seed rate</b>	kg/ha (check local recommendation)
<b>Nursery days</b>	180

### Simple notes for farmers

**About the crop:** This crop has a growth habit described as "tree". Harvest typically starts about 365 days after planting.

**Main use:** Farmers mostly grow this crop for premium fresh fruit for specialty high-value markets..

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

**Where it grows:** Only suited to warm humid tropical production niches with reliable rainfall.. Grouped under: Fruits & Nuts.

**Best climate:** 22 - 32 °C; 800 - 1600 mm/yr; up to about 2600 m a.s.l.

**Soil:** Best at pH 6 - 7; deep, fertile, well-drained soil with good organic matter..

### Farmer guide (Mwongozo wa Mkulima)

<b><u>Planting</u></b>	Plant healthy Durian seedlings or grafted plants at onset of rains in prepared pits.
<b><u>Transplanting</u></b>	Handle Durian rootballs carefully and water well after planting.
<b><u>Irrigation</u></b>	Maintain steady moisture during establishment and fruit development of Durian.
<b><u>Fertigation</u></b>	Split nutrients through active growth and fruit development in Durian.
<b><u>Pest scouting</u></b>	Scout Durian regularly for fruit flies, scales, borers, and foliar diseases.
<b><u>Pruning and training</u></b>	Prune Durian to maintain canopy light, height, and sanitation.
<b><u>Harvest</u></b>	Harvest Durian at the right maturity stage for fresh-market quality.
<b><u>Postharvest</u></b>	Keep Durian shaded and cool after harvest to preserve market quality.

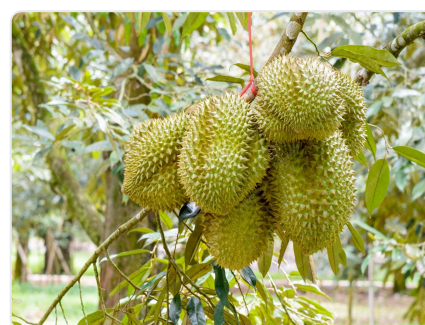
### **Nutrient schedule (Mbolea kwa Hatua)**

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Planting or season start	0	Well-rotted manure	8000 kg/ha	N: N/A, P?O?: N/A, K?O: N/A	Improve rooting environment for Durian.
2	Pre-fruiting	90	NPK 17-17-17	200 kg/ha	N: 34, P?O?: 34, K?O: 34	Balanced nutrient support for Durian.

### **Nutrient requirements**

Nutrient	Stage	Amount	Unit
N	Basal	40	kg/ha
P?O?	Basal	30	kg/ha
K?O	Basal	40	kg/ha
N	Fruiting	40	kg/ha
K?O	Fruiting	50	kg/ha

### **Field images**



### **Varieties**

Name	Country	Maturity (days)	Traits
Monthong	KE	365	Large premium specialty fruit.

## **Fertilizer recommendations**

<b><u>Stage</u></b>	<b><u>Product</u></b>	<b><u>Rate</u></b>	<b><u>Notes</u></b>
Planting	Well-rotted manure	8000	Organic matter for Durian establishment.
Pre-fruiting	NPK 17-17-17	200	Balanced fertilizer ahead of major Durian crop load.

## **Pests and diseases**

<b><u>Name</u></b>	<b><u>Type</u></b>	<b><u>Symptoms</u></b>	<b><u>Management</u></b>
Fruit flies	pest	Stings, larval feeding, and rotting fruits.	Field sanitation, trapping, and timely harvest.
Anthrachnose and fruit rots	disease	Lesions on flowers, leaves, or fruits reducing quality.	Prune for airflow, keep orchards clean, and protect during wet periods.

## **Yields**

<b><u>System</u></b>	<b><u>Typical</u></b>	<b><u>Min</u></b>	<b><u>Max</u></b>	<b><u>Notes</u></b>
Managed orchard production	8	4.8	12.8	Typical orchard yield for Durian under practical management.

## **Season calendars**

<b><u>Country</u></b>	<b><u>Region</u></b>	<b><u>Planting</u></b>	<b><u>Harvest</u></b>
KE	Managed Orchard Zones	Mar-Apr or Oct-Nov	Depends on variety and agroecology

## **Region suitability**

<b><u>Country</u></b>	<b><u>Region</u></b>	<b><u>Suitability</u></b>
KE	Managed Orchard Zones	Medium

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