

FarmLens Ltd

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Crop details

Custard Apple

Annona reticulata

Family: Annonaceae

Categories

Fruits & Nuts

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Quick stats

Family	Annonaceae
Typical harvest	10.0 t/ha
Varieties	15
Pests and diseases	16
Seasons	1

Crop profile

Growth habit	tree
Days to harvest	365
Main uses	Sweet dessert fruit for local fresh markets and home orchards.
Pollination	insect
Origin and where it grows	Suitable for warm dry to sub-humid lowland and mid-altitude orchards.

Weather, soil and spacing

Best temperature	20 - 32 °C
Rainfall	800 - 1600 mm/yr
Altitude	0 - 2600 m
Best pH	6 - 7
Soil type	Deep, fertile, well-drained soil with good organic matter.
Row spacing	500 cm
Plant spacing	500 cm
Planting depth	30 cm
Seed rate	kg/ha (check local recommendation)
Nursery days	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 sweet dessert fruit for local fresh markets and home orchards..

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

Where it grows: Suitable for warm dry to sub-humid lowland and mid-altitude orchards.. Grouped under: Fruits & Nuts.

Best climate: 20 - 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)

<u>Nutrient</u>	<u>Stage</u>	<u>Amount</u>	<u>Unit</u>
K ₂ O	Basal	60	kg/ha
N	Basal	40	kg/ha
P ₂ O ₅	Basal	30	kg/ha
K ₂ O	Basal	60	kg/ha
N	Basal	40	kg/ha
P ₂ O ₅	Basal	30	kg/ha
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N	Basal	40	kg/ha
P ₂ O ₅	Basal	30	kg/ha
K ₂ O	Basal	60	kg/ha
N	Basal	40	kg/ha
P ₂ O ₅	Basal	30	kg/ha
K ₂ O	Basal	60	kg/ha

Field images



Varieties

<u>Name</u>	<u>Country</u>	<u>Maturity (days)</u>	<u>Traits</u>
Local Custard Apple	KE	900	Sweet pulp
Red Custard Apple	KE	365	Sweet soft dessert fruit.
Local Custard Apple	KE	900	Sweet pulp
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Fertilizer recommendations

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

Pests and diseases

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

<u>System</u>	<u>Typical</u>	<u>Min</u>	<u>Max</u>	<u>Notes</u>
orchard	10	5	18	
Managed orchard production	10	6	16	Typical orchard yield for Custard Apple under practical management.
orchard	10	5	18	
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Season calendars

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

Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Managed Orchard Zones	Medium
KE	Warm low to mid-altitudes	High

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