

FarmLens Ltd

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Crop details

Strawberry

Fragaria × ananassa

Family: Rosaceae

Categories

Fruits & Nuts

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Quick stats

Family	Rosaceae
Typical harvest	18.0 t/ha
Varieties	1
Pests and diseases	2
Seasons	1

Crop profile

Growth habit	perennial
Days to harvest	150
Main uses	Fresh berries, juice, jam, desserts, and high-value local markets.
Pollination	insect
Origin and where it grows	Common in highland East African horticulture under open field and protected systems.

Weather, soil and spacing

Best temperature	12 - 24 °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	40 cm
Plant spacing	30 cm
Planting depth	30 cm
Seed rate	kg/ha (check local recommendation)
Nursery days	180

Simple notes for farmers

About the crop: This crop is perennial; once planted it can keep producing for many years. Harvest typically starts about 150 days after planting.

Main use: Farmers mostly grow this crop for fresh berries, juice, jam, desserts, and high-value local markets..

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

Where it grows: Common in highland East African horticulture under open field and protected systems.. Grouped under: Fruits & Nuts.

Best climate: 12 - 24 °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>Planting</u>	Plant healthy Strawberry seedlings or grafted plants at onset of rains in prepared pits.
<u>Transplanting</u>	Handle Strawberry rootballs carefully and water well after planting.
<u>Irrigation</u>	Maintain steady moisture during establishment and fruit development of Strawberry.
<u>Fertigation</u>	Split nutrients through active growth and fruit development in Strawberry.
<u>Pest scouting</u>	Scout Strawberry regularly for fruit flies, scales, borers, and foliar diseases.
<u>Pruning and training</u>	Prune Strawberry to maintain canopy light, height, and sanitation.
<u>Harvest</u>	Harvest Strawberry at the right maturity stage for fresh-market quality.
<u>Postharvest</u>	Keep Strawberry shaded and cool after harvest to preserve market quality.

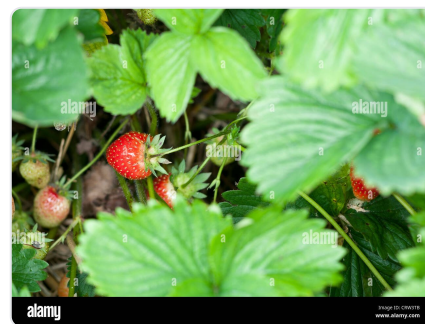
Nutrient schedule (Mbolea kwa Hatua)

#	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 Strawberry.
2	Pre-fruiting	90	NPK 17-17-17	200 kg/ha	N: 34, P?O?: 34, K?O: 34	Balanced nutrient support for Strawberry.

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

<u>Name</u>	<u>Country</u>	<u>Maturity (days)</u>	<u>Traits</u>
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Chandler	KE	150	Popular fresh-market berry.
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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 Strawberry establishment.
Pre-fruiting	NPK 17-17-17	200	Balanced fertilizer ahead of major Strawberry crop load.

Pests and diseases

<u>Name</u>	<u>Type</u>	<u>Symptoms</u>	<u>Management</u>
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.

Yields

<u>System</u>	<u>Typical</u>	<u>Min</u>	<u>Max</u>	<u>Notes</u>
Managed orchard production	18	10.8	28.8	Typical orchard yield for Strawberry under practical management.

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

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