

FarmLens Ltd

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



Crop details

Moringa

Moringa oleifera

Family: Moringaceae

Categories

Vegetables

Spices & Condiments

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Quick stats

Family	Moringaceae
Typical harvest	12.0 t/ha
Varieties	1
Pests and diseases	2
Seasons	1

Crop profile

Growth habit	tree
Days to harvest	180
Main uses	Leaves, pods, and seeds for nutrition, feed, and value-added products.
Pollination	insect
Origin and where it grows	Widely planted in dry and semi-arid East African household systems.

Weather, soil and spacing

Best temperature	22 - 35 °C
Rainfall	450 - 800 mm/yr
Altitude	800 - 2800 m
Best pH	6 - 7
Soil type	Fertile well-drained loam rich in organic matter.
Row spacing	40 cm
Plant spacing	20 cm
Planting depth	1.5 cm
Seed rate	4 kg/ha

Simple notes for farmers

About the crop: This crop has a growth habit described as "tree". Harvest typically starts about 180 days after planting.

Main use: Farmers mostly grow this crop for leaves, pods, and seeds for nutrition, feed, and value-added products..

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

Where it grows: Widely planted in dry and semi-arid East African household systems.. Grouped under: Vegetables, Spices & Condiments.

Best climate: 22 - 35 °C; 450 - 800 mm/yr; up to about 2800 m a.s.l.

Soil: Best at pH 6 - 7; fertile well-drained loam rich in organic matter..

Farmer guide (Mwongozo wa Mkulima)

<u>Planting</u>	Establish Moringa in a fine weed-free seedbed and keep emergence moisture steady.
<u>Transplanting</u>	Direct seed or transplant depending on production system.
<u>Irrigation</u>	Maintain even soil moisture for steady Moringa growth and quality.
<u>Fertigation</u>	Use split nitrogen and potassium for market-quality Moringa.
<u>Pest scouting</u>	Scout Moringa weekly for chewing pests, sap suckers, and foliar diseases.
<u>Pruning and training</u>	No pruning required unless sanitation or staking is needed.
<u>Harvest</u>	Harvest Moringa at market maturity for the intended use.
<u>Postharvest</u>	Cool and shade Moringa promptly after harvest.

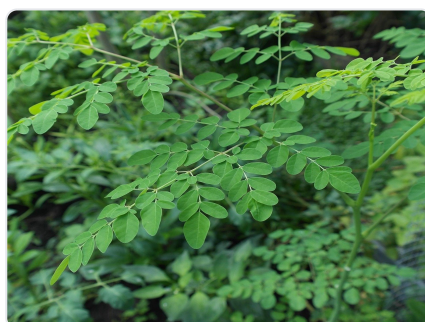
Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	NPK 17-17-17	200 kg/ha	N: 34, P ₂ O ₅ : 34, K ₂ O: 34	Basal fertilizer for Moringa.
2	Topdress	21	CAN	100 kg/ha	N: 26, P ₂ O ₅ : N/A, K ₂ O: N/A	Support active Moringa vegetative growth.

Nutrient requirements

Nutrient	Stage	Amount	Unit
N	Basal	35	kg/ha
P ₂ O ₅	Basal	30	kg/ha
K ₂ O	Basal	35	kg/ha
N	Topdress	25	kg/ha
K ₂ O	Topdress	20	kg/ha

Field images



Varieties

Name	Country	Maturity (days)	Traits
PKM-1	KE	180	High leaf-yield moringa for repeated harvests.

Fertilizer recommendations

<u>Stage</u>	<u>Product</u>	<u>Rate</u>	<u>Notes</u>
Planting	Well-rotted manure	5000	Improve soil structure before Moringa planting.
Vegetative growth	CAN	100	Split topdress for Moringa production.

Pests and diseases

<u>Name</u>	<u>Type</u>	<u>Symptoms</u>	<u>Management</u>
Aphids	pest	Leaf curling and sticky honeydew.	Scout frequently and use selective control when pressure builds.
Leaf spot complex	disease	Necrotic spotting and reduced leaf quality.	Improve airflow, rotate crops, and avoid prolonged leaf wetness.

Yields

<u>System</u>	<u>Typical</u>	<u>Min</u>	<u>Max</u>	<u>Notes</u>
Managed fresh-market production	12	8.4	18	Typical marketable Moringa yield under irrigated or well-managed conditions.

Season calendars

<u>Country</u>	<u>Region</u>	<u>Planting</u>	<u>Harvest</u>
KE	Highland Vegetable Zones	Mar-Apr or Oct-Nov	Year-round depending on irrigation

Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Highland Vegetable Zones	High

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