

# FarmLens Ltd

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



Crop details

## Fenugreek

*Trigonella foenum-graecum*

Family: Fabaceae

Categories

Legumes & Pulses

Spices & Condiments

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### Quick stats

<b>Family</b>	Fabaceae
<b>Typical harvest</b>	2.0 t/ha
<b>Varieties</b>	2
<b>Pests and diseases</b>	2
<b>Seasons</b>	2

### Crop profile

<b>Growth habit</b>	annual
<b>Days to harvest</b>	80-110
<b>Main uses</b>	Spice; leafy vegetable
<b>Pollination</b>	self
<b>Origin and where it grows</b>	Mediterranean to S. Asia

### Weather, soil and spacing

<b>Best temperature</b>	15 - 22 °C
<b>Rainfall</b>	350 - 600 mm/yr
<b>Altitude</b>	0 - 2400 m
<b>Best pH</b>	6.2 - 7
<b>Soil type</b>	Loam; good drainage
<b>Row spacing</b>	30 cm
<b>Plant spacing</b>	10 cm
<b>Planting depth</b>	2 cm
<b>Seed rate</b>	20 kg/ha

### Simple notes for farmers

**About the crop:** This crop is annual; it grows and is harvested in one season. Harvest typically starts about 80-110 days after planting.

**Main use:** Farmers mostly grow this crop for spice; leafy vegetable.

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

**Where it grows:** Mediterranean to S. Asia. Grouped under: Legumes & Pulses, Spices & Condiments.

**Best climate:** 15 - 22 °C; 350 - 600 mm/yr; up to about 2400 m a.s.l.

**Soil:** Best at pH 6.2 - 7; loam; good drainage.

### Farmer guide (Mwongozo wa Mkulima)

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

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

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	NPK 15-15-15	40 kg/ha	N: 34, P <sub>2</sub> O <sub>5</sub> : 34, K <sub>2</sub> O: 34	Basal fertilizer for Fenugreek.
2	Topdress	21	CAN	100 kg/ha	N: 26, P <sub>2</sub> O <sub>5</sub> : N/A, K <sub>2</sub> O: N/A	Support active Fenugreek vegetative growth.

### **Nutrient requirements**

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

### **Field images**



### **Varieties**

Name	Country	Maturity (days)	Traits
Local Fenugreek	KE	100	Dual-use leaves & seeds
Abyssinian Fenugreek	ET	95	Dual-purpose leaf and seed type.

## **Fertilizer recommendations**

<b><u>Stage</u></b>	<b><u>Product</u></b>	<b><u>Rate</u></b>	<b><u>Notes</u></b>
Basal	NPK 15-15-15	40	
Planting	Well-rotted manure	5000	Improve soil structure before Fenugreek planting.
Vegetative growth	CAN	100	Split topdress for Fenugreek production.

## **Pests and diseases**

<b><u>Name</u></b>	<b><u>Type</u></b>	<b><u>Symptoms</u></b>	<b><u>Management</u></b>
Powdery mildew	disease	White powder	Spacing; fungicide if needed
Aphids	pest	Crowding on tender shoots and reduced growth.	Use clean fields and selective control if needed.

## **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>
rainfed	0.9	0.5	1.5	
Managed fresh-market production	3	2.1	4.5	Typical marketable Fenugreek yield under irrigated or well-managed conditions.

## **Season calendars**

<b><u>Country</u></b>	<b><u>Region</u></b>	<b><u>Planting</u></b>	<b><u>Harvest</u></b>
KE	Highlands	Jun–Jul	Sep–Nov
KE	Highland Vegetable Zones	Mar-Apr or Oct-Nov	Year-round depending on irrigation

## **Region suitability**

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

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