

# FarmLens Ltd

Website: [farmlens.africa](http://farmlens.africa) | App: [app.farmlens.africa](http://app.farmlens.africa) | Headquarters: Nairobi, Kenya



Crop details

## Broccoli

*Brassica oleracea var. italica*

Family: Brassicaceae

Categories

Vegetables

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### Quick stats

<b>Family</b>	Brassicaceae
<b>Typical harvest</b>	10.0 t/ha
<b>Varieties</b>	1
<b>Pests and diseases</b>	2
<b>Seasons</b>	1

### Weather, soil and spacing

<b>Best temperature</b>	12 - 22 °C
<b>Rainfall</b>	450 - 800 mm/yr
<b>Altitude</b>	800 - 2800 m
<b>Best pH</b>	6 - 7
<b>Soil type</b>	Fertile well-drained loam rich in organic matter.
<b>Row spacing</b>	40 cm
<b>Plant spacing</b>	20 cm
<b>Planting depth</b>	1.5 cm
<b>Seed rate</b>	4 kg/ha

### Crop profile

<b>Growth habit</b>	annual
<b>Days to harvest</b>	85
<b>Main uses</b>	Fresh florets for urban retail, horeca, and export niches.
<b>Pollination</b>	insect
<b>Origin and where it grows</b>	Grown in cool highland and irrigated peri-urban systems in East Africa.

### Simple notes for farmers

**About the crop:** This crop is annual; it grows and is harvested in one season. Harvest typically starts about 85 days after planting.

**Main use:** Farmers mostly grow this crop for fresh florets for urban retail, horeca, and export niches..

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

**Where it grows:** Grown in cool highland and irrigated peri-urban systems in East Africa.. Grouped under: Vegetables.

**Best climate:** 12 - 22 °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)

<b><u>Planting</u></b>	Establish Broccoli 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 Broccoli growth and quality.
<b><u>Fertigation</u></b>	Use split nitrogen and potassium for market-quality Broccoli.
<b><u>Pest scouting</u></b>	Scout Broccoli 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 Broccoli at market maturity for the intended use.
<b><u>Postharvest</u></b>	Cool and shade Broccoli 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 <sub>2</sub> O <sub>5</sub> : 34, K <sub>2</sub> O: 34	Basal fertilizer for Broccoli.
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 Broccoli vegetative growth.

### **Nutrient requirements**

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

### **Field images**



### **Varieties**

Name	Country	Maturity (days)	Traits
Green Magic	KE	85	Compact head with strong market quality.

### **Fertilizer recommendations**

<u>Stage</u>	<u>Product</u>	<u>Rate</u>	<u>Notes</u>
Planting	Well-rotted manure	5000	Improve soil structure before Broccoli planting.
Vegetative growth	CAN	100	Split topdress for Broccoli 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	10	7	15	Typical marketable Broccoli 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](http://farmlens.africa) and [app.farmlens.africa](http://app.farmlens.africa). Headquarters: Nairobi, Kenya. This guide was generated from the FarmLens database.