

# FarmLens Ltd

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



Crop details

## Endive

*Cichorium endivia*

Family: Asteraceae

Categories

Vegetables

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### Quick stats

<b>Family</b>	Asteraceae
<b>Typical harvest</b>	11.0 t/ha
<b>Varieties</b>	1
<b>Pests and diseases</b>	2
<b>Seasons</b>	1

### Crop profile

<b>Growth habit</b>	annual
<b>Days to harvest</b>	65
<b>Main uses</b>	Leafy salad and cooked green for high-value vegetable markets.
<b>Pollination</b>	insect
<b>Origin and where it grows</b>	Fits cool-season salad production in peri-urban and highland zones.

### 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

### Simple notes for farmers

**About the crop:** This crop is annual; it grows and is harvested in one season. Harvest typically starts about 65 days after planting.

**Main use:** Farmers mostly grow this crop for leafy salad and cooked green for high-value vegetable markets..

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

**Where it grows:** Fits cool-season salad production in peri-urban and highland zones.. 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 Endive 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 Endive growth and quality.
<b><u>Fertigation</u></b>	Use split nitrogen and potassium for market-quality Endive.
<b><u>Pest scouting</u></b>	Scout Endive 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 Endive at market maturity for the intended use.
<b><u>Postharvest</u></b>	Cool and shade Endive promptly after harvest.

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

<b><u>#</u></b>	<b><u>Stage</u></b>	<b><u>DAP</u></b>	<b><u>Product</u></b>	<b><u>Rate</u></b>	<b><u>Targets (kg/ha)</u></b>	<b><u>Notes</u></b>
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 Endive.
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 Endive vegetative growth.

### **Nutrient requirements**

<b><u>Nutrient</u></b>	<b><u>Stage</u></b>	<b><u>Amount</u></b>	<b><u>Unit</u></b>
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**

<b><u>Name</u></b>	<b><u>Country</u></b>	<b><u>Maturity (days)</u></b>	<b><u>Traits</u></b>
Green Curled	KE	65	Fine-curved leaves for salad markets.

### **Fertilizer recommendations**

<u>Stage</u>	<u>Product</u>	<u>Rate</u>	<u>Notes</u>
Planting	Well-rotted manure	5000	Improve soil structure before Endive planting.
Vegetative growth	CAN	100	Split topdress for Endive 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	11	7.7	16.5	Typical marketable Endive 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.