

# FarmLens Ltd

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



Crop details

## Turnip

*Brassica rapa subsp. rapa*

Family: Brassicaceae

Categories

Vegetables

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### Quick stats

<b>Family</b>	Brassicaceae
<b>Typical harvest</b>	18.0 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>	Roots and leaves consumed as vegetables.
<b>Pollination</b>	insect
<b>Origin and where it grows</b>	Common in cool highland gardens and diversified vegetable farms.

### Weather, soil and spacing

<b>Best temperature</b>	14 - 24 °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>	30 cm
<b>Plant spacing</b>	10 cm
<b>Planting depth</b>	1.5 cm
<b>Seed rate</b>	5 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 roots and leaves consumed as vegetables..

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

**Where it grows:** Common in cool highland gardens and diversified vegetable farms.. Grouped under: Vegetables.

**Best climate:** 14 - 24 °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 Turnip 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 Turnip growth and quality.
<b><u>Fertigation</u></b>	Use split nitrogen and potassium for market-quality Turnip.
<b><u>Pest scouting</u></b>	Scout Turnip 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 Turnip when roots size up well before they become fibrous or pithy.
<b><u>Postharvest</u></b>	Cool and shade Turnip promptly after harvest.

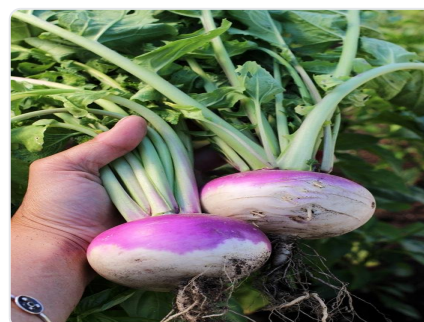
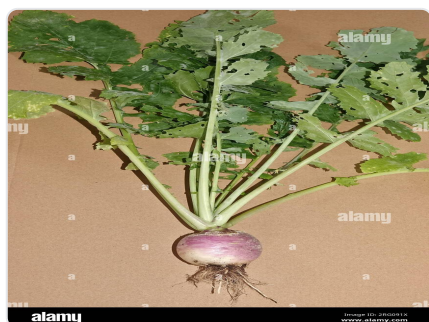
### **Nutrient schedule (Mbolea kwa Hatua)**

#	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 Turnip.
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 Turnip 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
Purple Top White Globe	KE	65	Reliable root and leaf production.

### **Fertilizer recommendations**

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

### **Pests and diseases**

<u>Name</u>	<u>Type</u>	<u>Symptoms</u>	<u>Management</u>
Root maggots	pest	Tunneling and feeding damage on roots.	Rotate crops and maintain field sanitation.
Root cracking and rot	disease	Cracked or rotting roots under uneven moisture.	Maintain even moisture and use well-drained soils.

### **Yields**

<u>System</u>	<u>Typical</u>	<u>Min</u>	<u>Max</u>	<u>Notes</u>
Managed fresh-market production	18	12.6	27	Typical marketable Turnip 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.