

# FarmLens Ltd

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



Crop details

## Teff

*Eragrostis tef*

Family: Poaceae

Categories

Cereals & Pseudocereals

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### Quick stats

<b><u>Family</u></b>	Poaceae
<b><u>Typical harvest</u></b>	1.8 t/ha
<b><u>Varieties</u></b>	1
<b><u>Pests and diseases</u></b>	2
<b><u>Seasons</u></b>	1

### Weather, soil and spacing

<b><u>Best temperature</u></b>	15 - 27 °C
<b><u>Rainfall</u></b>	450 - 750 mm/yr
<b><u>Altitude</u></b>	1200 - 2800 m
<b><u>Best pH</u></b>	6 - 6.8
<b><u>Soil type</u></b>	Wide range; best in well-drained soils
<b><u>Row spacing</u></b>	20 cm
<b><u>Plant spacing</u></b>	5 cm
<b><u>Planting depth</u></b>	4 cm
<b><u>Seed rate</u></b>	8 kg/ha

### Crop profile

<b><u>Growth habit</u></b>	annual
<b><u>Days to harvest</u></b>	110
<b><u>Main uses</u></b>	Tiny grain for flour and porridge, plus straw for livestock feed.
<b><u>Pollination</u></b>	wind
<b><u>Origin and where it grows</u></b>	Important in the Horn of Africa and adaptable to East African highlands.

### Simple notes for farmers

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

**Main use:** Farmers mostly grow this crop for tiny grain for flour and porridge, plus straw for livestock feed..

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

**Where it grows:** Important in the Horn of Africa and adaptable to East African highlands.. Grouped under: Cereals & Pseudocereals.

**Best climate:** 15 - 27 °C; 450 - 750 mm/yr; up to about 2800 m a.s.l.

**Soil:** Best at pH 6 - 6.8; fertile, well-drained soils.

## Farmer guide (Mwongozo wa Mkulima)

<b><u>Planting</u></b>	Direct-seed Teff into a fine firm seedbed at onset of reliable rains.
<b><u>Transplanting</u></b>	Not transplanted.
<b><u>Irrigation</u></b>	Maintain moisture during establishment and grain filling where irrigation is used.
<b><u>Fertigation</u></b>	Split nitrogen between planting and early vegetative growth where moisture allows.
<b><u>Pest scouting</u></b>	Scout Teff for aphids, armyworms, foliar diseases, and lodging risk.
<b><u>Pruning and training</u></b>	No pruning needed; keep weeds low during early establishment.
<b><u>Harvest</u></b>	Harvest Teff when grains harden and heads dry down evenly.
<b><u>Postharvest</u></b>	Dry grain well before threshing and storage.

## Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	DAP	100 kg/ha	N: 18, P?O?: 46, K?O: N/A	Starter fertilizer for Teff establishment.
2	Topdress	28	CAN	100 kg/ha	N: 26, P?O?: N/A, K?O: N/A	Topdress Teff before rain or irrigation.

## Nutrient requirements

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

## Field images



## Varieties

Name	Country	Maturity (days)	Traits
Quncho	ET	110	Popular white-grain teff line.

## Fertilizer recommendations

<u>Stage</u>	<u>Product</u>	<u>Rate</u>	<u>Notes</u>
Planting	DAP	100	Basal phosphorus for Teff establishment.
Topdress	CAN	100	Nitrogen support for Teff vegetative growth.

### **Pests and diseases**

<u>Name</u>	<u>Type</u>	<u>Symptoms</u>	<u>Management</u>
Aphids	pest	Sap sucking on leaves and grain heads.	Scout early, preserve beneficial insects, and control when thresholds are exceeded.
Leaf rust	disease	Rust pustules on leaves reducing grain fill.	Use tolerant varieties, rotation, and timely disease control.

### **Yields**

<u>System</u>	<u>Typical</u>	<u>Min</u>	<u>Max</u>	<u>Notes</u>
Rainfed smallholder production	1.8	1.1	3.1	Typical grain yield under practical Teff management.

### **Season calendars**

<u>Country</u>	<u>Region</u>	<u>Planting</u>	<u>Harvest</u>
ET	Central Highlands	Jun-Jul	Oct-Nov

### **Region suitability**

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
ET	Central Highlands	High

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