

# FarmLens Ltd

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



Crop details

## Tiger nut (Cyperus esculentus)

*Cyperus esculentus*

Family: Cyperaceae

Categories

Oil & Industrial

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### Quick stats

<u>Family</u>	Cyperaceae
<u>Typical harvest</u>	5.0 t/ha
<u>Varieties</u>	1
<u>Pests and diseases</u>	1
<u>Seasons</u>	1

### Crop profile

<u>Growth habit</u>	perennial
<u>Days to harvest</u>	150-240
<u>Main uses</u>	Tuber (“nuts”) for food & beverage
<u>Pollination</u>	wind
<u>Origin and where it grows</u>	Africa; Mediterranean; tropics

### Weather, soil and spacing

<u>Best temperature</u>	20 - 30 °C
<u>Rainfall</u>	600 - 900 mm/yr
<u>Altitude</u>	0 - 1600 m
<u>Best pH</u>	6 - 7.5
<u>Soil type</u>	Sandy loam; loose soil for tubers
<u>Row spacing</u>	60 cm
<u>Plant spacing</u>	20 cm
<u>Planting depth</u>	5 cm
<u>Seed rate</u>	120 kg/ha

### Simple notes for farmers

**About the crop:** This crop is perennial; once planted it can keep producing for many years. Harvest typically starts about 150-240 days after planting.

**Main use:** Farmers mostly grow this crop for tuber (“nuts”) for food & beverage.

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

**Where it grows:** Africa; Mediterranean; tropics. Grouped under: Oil & Industrial.

**Best climate:** 20 - 30 °C; 600 - 900 mm/yr; up to about 1600 m a.s.l.

**Soil:** Best at pH 6 - 7.5; sandy loam; loose soil for tubers.

### Farmer guide (Mwongozo wa Mkulima)

## Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	NPK 12-24-12	80 kg/ha	N: N/A, P <sub>2</sub> O <sub>5</sub> : N/A, K <sub>2</sub> O: N/A	N/A

## Nutrient requirements

Nutrient	Stage	Amount	Unit
N	Basal	40	kg/ha
P <sub>2</sub> O <sub>5</sub>	Basal	30	kg/ha
K <sub>2</sub> O	Basal	40	kg/ha

## Field images



## Varieties

Name	Country	Maturity (days)	Traits
Yellow Tiger Nut	KE	200	Sweet; beverage grade

## Fertilizer recommendations

Stage	Product	Rate	Notes
Basal	NPK 12-24-12	80	

## Pests and diseases

Name	Type	Symptoms	Management
Termites	pest	Tuber damage	Field hygiene; baiting if severe

## Yields

System	Typical	Min	Max	Notes
rainfed	5	2	8	

## Season calendars

<u>Country</u>	<u>Region</u>	<u>Planting</u>	<u>Harvest</u>
KE	Lowlands	Mar–Apr	Aug–Nov

### **Region suitability**

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Lowlands	Medium

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