

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

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

Crop profile

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

Weather, soil and spacing

Best temperature	20 - 30 °C
Rainfall	600 - 900 mm/yr
Altitude	0 - 1600 m
Best pH	6 - 7.5
Soil type	Sandy loam; loose soil for tubers
Row spacing	60 cm
Plant spacing	20 cm
Planting depth	5 cm
Seed rate	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?O?: N/A, K?O: N/A	N/A

Nutrient requirements

Nutrient	Stage	Amount	Unit
N	Basal	40	kg/ha
P?O?	Basal	30	kg/ha
K?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

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