

FarmLens Ltd

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



Crop details

Safflower

Carthamus tinctorius

Family: Asteraceae

Categories

Oil & Industrial

Generated: 2026-03-14 14:43

Quick stats

Family	Asteraceae
Typical harvest	1.2 t/ha
Varieties	1
Pests and diseases	1
Seasons	1

Crop profile

Growth habit	annual
Days to harvest	100-140
Main uses	Oilseed; dye
Pollination	insect
Origin and where it grows	SW Asia; semi-arid

Weather, soil and spacing

Best temperature	15 - 28 °C
Rainfall	300 - 500 mm/yr
Altitude	0 - 2200 m
Best pH	6.5 - 7.5
Soil type	Well-drained; tolerates salinity
Row spacing	50 cm
Plant spacing	20 cm
Planting depth	3 cm
Seed rate	15 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 100-140 days after planting.

Main use: Farmers mostly grow this crop for oilseed; dye.

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

Where it grows: SW Asia; semi-arid. Grouped under: Oil & Industrial.

Best climate: 15 - 28 °C; 300 - 500 mm/yr; up to about 2200 m a.s.l.

Soil: Best at pH 6.5 - 7.5; well-drained; tolerates salinity.

Farmer guide (Mwongozo wa Mkulima)

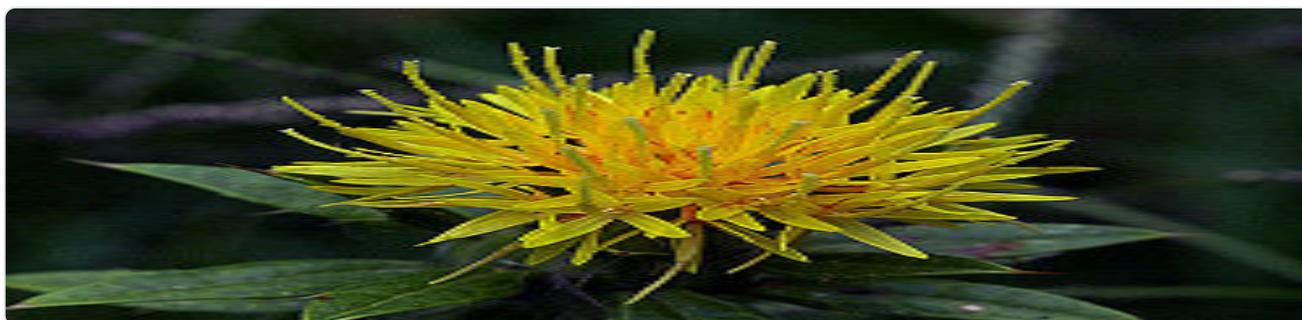
Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	DAP 18-46-0	70 kg/ha	N: N/A, P?O?: N/A, K?O: N/A	N/A
2	Topdress	30	CAN 26% N	80 kg/ha	N: N/A, P?O?: N/A, K?O: N/A	N/A

Nutrient requirements

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

Field images



Varieties

Name	Country	Maturity (days)	Traits
Local Safflower	KE	120	Drought tolerant

Pests and diseases

Name	Type	Symptoms	Management
Aphids	pest	Honeydew; stunting	Natural enemies; spot sprays

Yields

System	Typical	Min	Max	Notes
rainfed	1.2	0.5	2	

Season calendars

Country	Region	Planting	Harvest
---------	--------	----------	---------

KE	Semi-arid	Mar–Apr	Jul–Sep
----	-----------	---------	---------

Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Semi-arid	High

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