

FarmLens Ltd

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



Crop details

Spider Plant

Cleome gynandra

Family: Cleomaceae

Categories

Vegetables

Generated: 2026-04-11 10:17

Quick stats

Family	Cleomaceae
Typical harvest	8.1 t/ha
Varieties	19
Pests and diseases	22
Seasons	19

Crop profile

Growth habit	annual
Days to harvest	30–90
Main uses	Leafy vegetable (fresh/cooked); medicinal/culinary herb
Pollination	insect
Origin and where it grows	Africa & Asia tropics/subtropics; common in smallholder systems

Weather, soil and spacing

Best temperature	20 - 30 °C
Rainfall	500 - 900 mm/yr
Altitude	0 - 2200 m
Best pH	6 - 7
Soil type	Well-drained loam/sandy loam; fertile and friable
Row spacing	40 cm
Plant spacing	30 cm
Planting depth	1 cm
Seed rate	3 kg/ha
Nursery days	25

Simple notes for farmers

About the crop: This crop is annual; it grows and is harvested in one season. Harvest typically starts about 30–90 days after planting.

Main use: Farmers mostly grow this crop for leafy vegetable (fresh/cooked); medicinal/culinary herb.

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

Where it grows: Africa & Asia tropics/subtropics; common in smallholder systems. Grouped under: Vegetables.

Best climate: 20 - 30 °C; 500 - 900 mm/yr; up to about 2200 m a.s.l.

Soil: Best at pH 6 - 7; well-drained loam/sandy loam; fertile and friable.

Farmer guide (Mwongozo wa Mkulima)

Nutrient requirements

<u>Nutrient</u>	<u>Stage</u>	<u>Amount</u>	<u>Unit</u>
N	Basal	30	kg/ha
P ₂ O ₅	Basal	25	kg/ha
K ₂ O	Basal	30	kg/ha
N	Topdress	20	kg/ha
P ₂ O ₅	Topdress	0	kg/ha
K ₂ O	Topdress	20	kg/ha
N	Basal	40	kg/ha
P ₂ O ₅	Basal	20	kg/ha
K ₂ O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P ₂ O ₅	Basal	20	kg/ha
K ₂ O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P ₂ O ₅	Basal	20	kg/ha
K ₂ O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P ₂ O ₅	Basal	20	kg/ha
K ₂ O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P ₂ O ₅	Basal	20	kg/ha
K ₂ O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P ₂ O ₅	Basal	20	kg/ha
K ₂ O	Basal	30	kg/ha

<u>Nutrient</u>	<u>Stage</u>	<u>Amount</u>	<u>Unit</u>
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P?O?	Basal	20	kg/ha
K?O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P?O?	Basal	20	kg/ha
K?O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P?O?	Basal	20	kg/ha
K?O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P?O?	Basal	20	kg/ha
K?O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P?O?	Basal	20	kg/ha
K?O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha
P?O?	Basal	20	kg/ha
K?O	Basal	30	kg/ha
N	Topdress	20	kg/ha
N	Basal	40	kg/ha

<u>Country</u>	<u>Region</u>	<u>Planting</u>	<u>Harvest</u>
KE	Western/Eastern	Feb–Apr / Sep–Oct	Apr–Jun / Nov–Dec
KE	Western/Eastern	Feb–Apr / Sep–Oct	Apr–Jun / Nov–Dec

Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Cold high altitude (>2500 m)	Low
KE	Highlands & cool mid-altitudes	High
KE	Nyanza	N/A
KE	Semi-arid lowlands (with irrigation)	Medium
KE	Western/Eastern	High
TZ	Northern highlands	High
UG	Lake Victoria basin	High

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