

FarmLens Ltd

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



Crop details

Velvet bean (Mucuna pruriens)

Mucuna pruriens

Family: Fabaceae

Categories

Legumes & Pulses

Generated: 2026-04-11 10:17

Quick stats

Family	Fabaceae
Typical harvest	8.0 t/ha
Varieties	1
Pests and diseases	1
Seasons	1

Crop profile

Growth habit	climber
Days to harvest	100-180
Main uses	Green manure; forage; pulse
Pollination	insect
Origin and where it grows	Tropics

Weather, soil and spacing

Best temperature	22 - 30 °C
Rainfall	900 - 1500 mm/yr
Altitude	0 - 1600 m
Best pH	5.5 - 6.8
Soil type	Light to medium soils
Row spacing	100 cm
Plant spacing	50 cm
Planting depth	3 cm
Seed rate	30 kg/ha

Simple notes for farmers

About the crop: This crop has a growth habit described as "climber". Harvest typically starts about 100-180 days after planting.

Main use: Farmers mostly grow this crop for green manure; forage; pulse.

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

Where it grows: Tropics. Grouped under: Legumes & Pulses.

Best climate: 22 - 30 °C; 900 - 1500 mm/yr; up to about 1600 m a.s.l.

Soil: Best at pH 5.5 - 6.8; light to medium soils.

Farmer guide (Mwongozo wa Mkulima)

Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	NPK 15-15-15	50 kg/ha	N: N/A, P?O?: N/A, K?O: N/A	N/A

Nutrient requirements

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

Field images



Varieties

Name	Country	Maturity (days)	Traits
Local Mucuna	KE	140	Vigorous vine

Fertilizer recommendations

Stage	Product	Rate	Notes
Basal	NPK 15-15-15	50	

Pests and diseases

Name	Type	Symptoms	Management
Leaf beetles	pest	Defoliation	Scouting; spot treatment

Yields

System	Typical	Min	Max	Notes
green manure	8	4	12	Biomass (DM)

Season calendars

Country	Region	Planting	Harvest
KE	Humid lowlands	Mar–Apr	Jul–Nov

Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Humid lowlands	High

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