

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: 2025-12-15 08:51

Quick stats

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

Crop profile

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

Weather, soil and spacing

<u>Best temperature</u>	22 - 30 °C
<u>Rainfall</u>	900 - 1500 mm/yr
<u>Altitude</u>	0 - 1600 m
<u>Best pH</u>	5.5 - 6.8
<u>Soil type</u>	Light to medium soils
<u>Row spacing</u>	100 cm
<u>Plant spacing</u>	50 cm
<u>Planting depth</u>	3 cm
<u>Seed rate</u>	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 ₂ O ₅ : N/A, K ₂ O: N/A	N/A

Nutrient requirements

Nutrient	Stage	Amount	Unit
P ₂ O ₅	Basal	20	kg/ha
K ₂ 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.