

# FarmLens Ltd

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



Crop details

## Winged bean (*Psophocarpus tetragonolobus*)

*Psophocarpus tetragonolobus*

Family: Fabaceae

Categories

Legumes & Pulses

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### Quick stats

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

### Crop profile

<b>Growth habit</b>	climber
<b>Days to harvest</b>	120-180
<b>Main uses</b>	Vegetable; pulse; forage
<b>Pollination</b>	insect
<b>Origin and where it grows</b>	SE Asia tropics

### Weather, soil and spacing

<b>Best temperature</b>	22 - 30 °C
<b>Rainfall</b>	1200 - 2000 mm/yr
<b>Altitude</b>	0 - 1600 m
<b>Best pH</b>	5.5 - 6.8
<b>Soil type</b>	Fertile, well-drained
<b>Row spacing</b>	100 cm
<b>Plant spacing</b>	50 cm
<b>Planting depth</b>	3 cm
<b>Seed rate</b>	20 kg/ha

### Simple notes for farmers

**About the crop:** This crop has a growth habit described as "climber". Harvest typically starts about 120-180 days after planting.

**Main use:** Farmers mostly grow this crop for vegetable; pulse; forage.

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

**Where it grows:** SE Asia tropics. Grouped under: Legumes & Pulses.

**Best climate:** 22 - 30 °C; 1200 - 2000 mm/yr; up to about 1600 m a.s.l.

**Soil:** Best at pH 5.5 - 6.8; fertile, well-drained.

### Farmer guide (Mwongozo wa Mkulima)

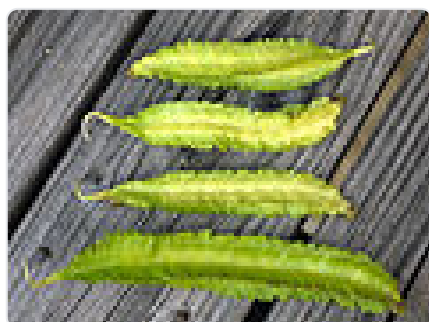
## Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	NPK 15-15-15	60 kg/ha	N: N/A, P?O?: N/A, K?O: N/A	N/A

## Nutrient requirements

Nutrient	Stage	Amount	Unit
P?O?	Basal	25	kg/ha
K?O	Basal	25	kg/ha

## Field images



## Varieties

Name	Country	Maturity (days)	Traits
Local Winged Bean	KE	150	Edible pods & tubers

## Fertilizer recommendations

Stage	Product	Rate	Notes
Basal	NPK 15-15-15	60	

## Pests and diseases

Name	Type	Symptoms	Management
Aphids	pest	Sticky honeydew	Prune; control ants; soft sprays

## Yields

System	Typical	Min	Max	Notes
vegetable pods	8	4	12	

## Season calendars

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

**Region suitability**

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

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