



Crop details

Categories

Winged bean (Psophocarpus tetragonolobus)

Legumes & Pulses

Psophocarpus tetragonolobus

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Family: Fabaceae

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	120-180
Main uses	Vegetable; pulse; forage
Pollination	insect
Origin and where it grows	SE Asia tropics

Weather, soil and spacing

Best temperature	22 - 30 °C
Rainfall	1200 - 2000 mm/yr
Altitude	0 - 1600 m
Best pH	5.5 - 6.8
Soil type	Fertile, well-drained
Row spacing	100 cm
Plant spacing	50 cm
Planting depth	3 cm
Seed rate	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 ₂ O ₅ : N/A, K ₂ O: N/A	N/A

Nutrient requirements

Nutrient	Stage	Amount	Unit
P ₂ O ₅	Basal	25	kg/ha
K ₂ 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

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