

FarmLens Ltd

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



Crop details

White pea bean

Phaseolus vulgaris

Family: Fabaceae

Categories

Legumes & Pulses

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Quick stats

Family	Fabaceae
Typical harvest	1.0 t/ha
Varieties	1
Pests and diseases	1
Seasons	1

Crop profile

Growth habit	annual
Days to harvest	80-110
Main uses	Pulse
Pollination	self
Origin and where it grows	Americas; East Africa widely grown

Weather, soil and spacing

Best temperature	16 - 24 °C
Rainfall	500 - 900 mm/yr
Altitude	800 - 2200 m
Best pH	5.8 - 7
Soil type	Well-drained loam
Row spacing	50 cm
Plant spacing	20 cm
Planting depth	3 cm
Seed rate	50 kg/ha

Simple notes for farmers

About the crop: This crop is annual; it grows and is harvested in one season. Harvest typically starts about 80-110 days after planting.

Main use: Farmers mostly grow this crop for pulse.

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

Where it grows: Americas; East Africa widely grown. Grouped under: Legumes & Pulses.

Best climate: 16 - 24 °C; 500 - 900 mm/yr; up to about 2200 m a.s.l.

Soil: Best at pH 5.8 - 7; well-drained loam.

Farmer guide (Mwongozo wa Mkulima)

Nutrient schedule (Mbolea kwa Hatua)

#	Stage	DAP	Product	Rate	Targets (kg/ha)	Notes
1	Basal	0	NPK 17-17-17	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	25	kg/ha
K ₂ O	Basal	20	kg/ha

Field images



Varieties

Name	Country	Maturity (days)	Traits
White Pea Local	KE	95	Bush type

Fertilizer recommendations

Stage	Product	Rate	Notes
Basal	NPK 17-17-17	50	

Pests and diseases

Name	Type	Symptoms	Management
Angular leaf spot	disease	Angular lesions	Clean seed; rotation

Yields

System	Typical	Min	Max	Notes
rainfed smallholder	1	0.5	1.8	

Season calendars

Country	Region	Planting	Harvest
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KE	Eastern	Oct–Nov	Jan–Mar
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Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Eastern	High

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