

FarmLens Ltd

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



Crop details

Proso millet

Panicum miliaceum

Family: Poaceae

Categories

Cereals & Pseudocereals

Generated: 2026-03-14 14:28

Quick stats

Family	Poaceae
Typical harvest	1.2 t/ha
Varieties	1
Pests and diseases	1
Seasons	1

Crop profile

Growth habit	annual
Days to harvest	60-100
Main uses	Cereal grain
Pollination	wind
Origin and where it grows	Central Asia; dry areas

Weather, soil and spacing

Best temperature	22 - 32 °C
Rainfall	300 - 500 mm/yr
Altitude	0 - 2000 m
Best pH	5.5 - 7
Soil type	Light soils
Row spacing	45 cm
Plant spacing	15 cm
Planting depth	2 cm
Seed rate	6 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 60-100 days after planting.

Main use: Farmers mostly grow this crop for cereal grain.

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

Where it grows: Central Asia; dry areas. Grouped under: Cereals & Pseudocereals.

Best climate: 22 - 32 °C; 300 - 500 mm/yr; up to about 2000 m a.s.l.

Soil: Best at pH 5.5 - 7; light soils.

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	60 kg/ha	N: N/A, P ₂ O ₅ : N/A, K ₂ O: N/A	N/A
2	Topdress	25	Urea	35 kg/ha	N: N/A, P ₂ O ₅ : N/A, K ₂ O: N/A	N/A

Nutrient requirements

Nutrient	Stage	Amount	Unit
N	Basal	25	kg/ha
P ₂ O ₅	Basal	20	kg/ha
K ₂ O	Basal	20	kg/ha
N	Topdress	20	kg/ha

Field images



Varieties

Name	Country	Maturity (days)	Traits
Local Proso	KE	85	Short duration

Fertilizer recommendations

Stage	Product	Rate	Notes
Basal	NPK 17-17-17	60	

Pests and diseases

Name	Type	Symptoms	Management
Shoot fly	pest	Deadheart	Early sowing; seed treatment

Yields

System	Typical	Min	Max	Notes
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rained smallholder	1.2	0.7	2	
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Season calendars

<u>Country</u>	<u>Region</u>	<u>Planting</u>	<u>Harvest</u>
KE	Semi-arid	Mar–Apr	Jun–Jul

Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Semi-arid	High

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