

FarmLens Ltd

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



Crop details

Quinoa (niche trials)

Chenopodium quinoa

Family: Amaranthaceae

Categories

Cereals & Pseudocereals

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Quick stats

<u>Family</u>	Amaranthaceae
<u>Typical harvest</u>	1.5 t/ha
<u>Varieties</u>	1
<u>Pests and diseases</u>	1
<u>Seasons</u>	1

Crop profile

<u>Growth habit</u>	annual
<u>Days to harvest</u>	100-150
<u>Main uses</u>	Pseudocereal
<u>Pollination</u>	self
<u>Origin and where it grows</u>	Andes; trialed widely

Weather, soil and spacing

<u>Best temperature</u>	8 - 20 °C
<u>Rainfall</u>	300 - 600 mm/yr
<u>Altitude</u>	0 - 3500 m
<u>Best pH</u>	6 - 7.5
<u>Soil type</u>	Well-drained; tolerant of salinity
<u>Row spacing</u>	45 cm
<u>Plant spacing</u>	20 cm
<u>Planting depth</u>	2 cm
<u>Seed rate</u>	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 100-150 days after planting.

Main use: Farmers mostly grow this crop for pseudocereal.

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

Where it grows: Andes; trialed widely. Grouped under: Cereals & Pseudocereals.

Best climate: 8 - 20 °C; 300 - 600 mm/yr; up to about 3500 m a.s.l.

Soil: Best at pH 6 - 7.5; well-drained; tolerant of salinity.

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	80 kg/ha	N: N/A, P ₂ O ₅ : N/A, K ₂ O: N/A	N/A
2	Topdress	35	Urea	40 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	30	kg/ha
P ₂ O ₅	Basal	20	kg/ha
K ₂ O	Basal	20	kg/ha
N	Topdress	25	kg/ha

Field images



Varieties

Name	Country	Maturity (days)	Traits
Altiplano Trial	KE	130	Cool tolerant

Fertilizer recommendations

Stage	Product	Rate	Notes
Basal	NPK 15-15-15	80	

Pests and diseases

Name	Type	Symptoms	Management
Downy mildew	disease	Leaf yellowing	Spacing; fungicide if needed

Yields

System	Typical	Min	Max	Notes
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trial plots	1.5	0.8	3	
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Season calendars

<u>Country</u>	<u>Region</u>	<u>Planting</u>	<u>Harvest</u>
KE	Highlands	Jun–Jul	Oct–Dec

Region suitability

<u>Country</u>	<u>Region</u>	<u>Suitability</u>
KE	Highlands	Medium

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