

# FarmLens Ltd

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



Crop details

## Quinoa (niche trials)

*Chenopodium quinoa*

Family: Amaranthaceae

Categories

Cereals & Pseudocereals

Generated: 2026-04-11 08:28

### Quick stats

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

### Crop profile

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

### Weather, soil and spacing

<b>Best temperature</b>	8 - 20 °C
<b>Rainfall</b>	300 - 600 mm/yr
<b>Altitude</b>	0 - 3500 m
<b>Best pH</b>	6 - 7.5
<b>Soil type</b>	Well-drained; tolerant of salinity
<b>Row spacing</b>	45 cm
<b>Plant spacing</b>	20 cm
<b>Planting depth</b>	2 cm
<b>Seed rate</b>	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 <sub>2</sub> O <sub>5</sub> : N/A, K <sub>2</sub> O: N/A	N/A
2	Topdress	35	Urea	40 kg/ha	N: N/A, P <sub>2</sub> O <sub>5</sub> : N/A, K <sub>2</sub> O: N/A	N/A

### Nutrient requirements

Nutrient	Stage	Amount	Unit
N	Basal	30	kg/ha
P <sub>2</sub> O <sub>5</sub>	Basal	20	kg/ha
K <sub>2</sub> 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**

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

### **Region suitability**

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

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