# FarmLens Ltd

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

Crop details

## Mustard Greens

*Brassica juncea*

Family: Brassicaceae

Categories

Vegetables

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### Quick stats

| | |
|---|---|
| **Family** | Brassicaceae |
| **Typical harvest** | 10.0 t/ha |
| **Varieties** | 1 |
| **Pests and diseases** | 1 |
| **Seasons** | 1 |

### Crop profile

| | |
|---|---|
| **Growth habit** | annual |
| **Days to harvest** | 50 |
| **Main uses** | Tender leaves for fresh markets, stir-fries, and cooked greens. |
| **Pollination** | insect |
| **Origin and where it grows** | Well suited to cool highland and peri-urban vegetable systems. |

### Weather, soil and spacing

| | |
|---|---|
| **Best temperature** | 14 - 24 °C |
| **Rainfall** | 450 - 800 mm/yr |
| **Altitude** | 800 - 2800 m |
| **Best pH** | 6 - 7 |
| **Soil type** | Fertile well-drained loam rich in organic matter. |
| **Row spacing** | 35 cm |
| **Plant spacing** | 20 cm |
| **Planting depth** | 1.5 cm |
| **Seed rate** | 4 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 50 days after planting.

**Main use:** Farmers mostly grow this crop for tender leaves for fresh markets, stir-fries, and cooked greens..

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

**Where it grows:** Well suited to cool highland and peri-urban vegetable systems.. Grouped under: Vegetables.

**Best climate:** 14 - 24 °C; 450 - 800 mm/yr; up to about 2800 m a.s.l.

**Soil:** Best at pH 6 - 7; fertile well-drained loam rich in organic matter..

## Farmer guide (Mwongozo wa Mkulima)

| | |
|---|---|
| **Planting** | Establish Mustard Greens in a fine weed-free seedbed and keep emergence moisture steady. |
| **Transplanting** | Direct seed or transplant depending on production system. |
| **Irrigation** | Maintain even soil moisture for steady Mustard Greens growth and quality. |
| **Fertigation** | Use split nitrogen and potassium for market-quality Mustard Greens. |
| **Pest scouting** | Scout Mustard Greens weekly for chewing pests, sap suckers, and foliar diseases. |
| **Pruning and training** | No pruning required unless sanitation or staking is needed. |
| **Harvest** | Harvest Mustard Greens at market maturity for the intended use. |
| **Postharvest** | Cool and shade Mustard Greens promptly after harvest. |

## Nutrient schedule (Mbolea kwa Hatua)

| # | Stage | DAP | Product | Rate | Targets (kg/ha) | Notes |
|---|---|---|---|---|---|---|
| 1 | Basal | 0 | NPK 17-17-17 | 200 kg/ha | N: 34, P?O?: 34, K?O: 34 | Basal fertilizer for Mustard Greens. |
| 2 | Topdress | 21 | CAN | 100 kg/ha | N: 26, P?O?: N/A, K?O: N/A | Support active Mustard Greens vegetative growth. |

## Nutrient requirements

| Nutrient | Stage | Amount | Unit |
|---|---|---|---|
| N | Basal | 35 | kg/ha |
| P?O? | Basal | 30 | kg/ha |
| K?O | Basal | 35 | kg/ha |
| N | Topdress | 25 | kg/ha |
| K?O | Topdress | 20 | kg/ha |

## Field images


## Varieties

| Name | Country | Maturity (days) | Traits |
|---|---|---|---|
| Broad Leaf Mustard | KE | 50 | Fast-growing leafy type. |

## Fertilizer recommendations

| Stage | Product | Rate | Notes |
|---|---|---|---|
| Planting | Well-rotted manure | 5000 | Improve soil structure before Mustard Greens planting. |
| Vegetative growth | CAN | 100 | Split topdress for Mustard Greens production. |

## Pests and diseases

| Name | Type | Symptoms | Management |
|---|---|---|---|
| Diamondback moth | pest | Windowing and holes on leaves. | Scout early, rotate crops, and use selective control. |

## Yields

| System | Typical | Min | Max | Notes |
|---|---|---|---|---|
| Managed fresh-market production | 10 | 7 | 15 | Typical marketable Mustard Greens yield under irrigated or well-managed conditions. |

## Season calendars

| Country | Region | Planting | Harvest |
|---|---|---|---|
| KE | Highland Vegetable Zones | Mar-Apr or Oct-Nov | Year-round depending on irrigation |

## Region suitability

| Country | Region | Suitability |
|---|---|---|
| KE | Highland Vegetable Zones | High |