

# FarmLens Ltd

Website: [farmlens.africa](http://farmlens.africa) | App: [app.farmlens.africa](http://app.farmlens.africa) | Headquarters: Nairobi, Kenya



Crop details

## Celery

*Apium graveolens*

Family: Apiaceae

Categories

Vegetables

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### Quick stats

|                           |           |
|---------------------------|-----------|
| <b>Family</b>             | Apiaceae  |
| <b>Typical harvest</b>    | 20.0 t/ha |
| <b>Varieties</b>          | 1         |
| <b>Pests and diseases</b> | 2         |
| <b>Seasons</b>            | 1         |

### Weather, soil and spacing

|                         |   |
|-------------------------|---|
| <b>Best temperature</b> | 12 - 22 °C  |
| <b>Rainfall</b>         | 450 - 800 mm/yr                                   |
| <b>Altitude</b>         | 800 - 2800 m                                      |
| <b>Best pH</b>          | 6 - 7   |
| <b>Soil type</b>        | Fertile well-drained loam rich in organic matter. |
| <b>Row spacing</b>      | 40 cm   |
| <b>Plant spacing</b>    | 20 cm   |
| <b>Planting depth</b>   | 1.5 cm  |
| <b>Seed rate</b>        | 4 kg/ha   |

### Crop profile

|                                  |   |
|----------------------------------|---|
| <b>Growth habit</b>              | annual  |
| <b>Days to harvest</b>           | 110   |
| <b>Main uses</b>                 | Leaf stalks and leaves for salads, soups, and seasoning.            |
| <b>Pollination</b>               | insect  |
| <b>Origin and where it grows</b> | Best in cool highland or irrigated peri-urban vegetable production. |

### Simple notes for farmers

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

**Main use:** Farmers mostly grow this crop for leaf stalks and leaves for salads, soups, and seasoning..

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

**Where it grows:** Best in cool highland or irrigated peri-urban vegetable production.. Grouped under: Vegetables.

**Best climate:** 12 - 22 °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)

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

### **Nutrient schedule (Mbolea kwa Hatua)**

| <b><u>#</u></b> | <b><u>Stage</u></b> | <b><u>DAP</u></b> | <b><u>Product</u></b> | <b><u>Rate</u></b> | <b><u>Targets (kg/ha)</u></b>                                     | <b><u>Notes</u></b>                      |
|-----------------|---------------------|-------------------|-----------------------|--------------------|---|--|
| 1               | Basal               | 0                 | NPK 17-17-17          | 200 kg/ha          | N: 34, P <sub>2</sub> O <sub>5</sub> : 34, K <sub>2</sub> O: 34   | Basal fertilizer for Celery.             |
| 2               | Topdress            | 21                | CAN                   | 100 kg/ha          | N: 26, P <sub>2</sub> O <sub>5</sub> : N/A, K <sub>2</sub> O: N/A | Support active Celery vegetative growth. |

### **Nutrient requirements**

| <b><u>Nutrient</u></b>        | <b><u>Stage</u></b> | <b><u>Amount</u></b> | <b><u>Unit</u></b> |
|-------------------------------|---------------------|----------------------|--------------------|
| N                             | Basal               | 35                   | kg/ha              |
| P <sub>2</sub> O <sub>5</sub> | Basal               | 30                   | kg/ha              |
| K <sub>2</sub> O              | Basal               | 35                   | kg/ha              |
| N                             | Topdress            | 25                   | kg/ha              |
| K <sub>2</sub> O              | Topdress            | 20                   | kg/ha              |

### **Field images**



### **Varieties**

| <b><u>Name</u></b> | <b><u>Country</u></b> | <b><u>Maturity (days)</u></b> | <b><u>Traits</u></b>      |
|--------------------|-----------------------|-------------------------------|---------------------------|
| Tall Utah          | KE                    | 110                           | Crunchy green stalk type. |

### **Fertilizer recommendations**

| <u>Stage</u>      | <u>Product</u>     | <u>Rate</u> | <u>Notes</u>                                   |
|-------------------|--------------------|-------------|--|
| Planting          | Well-rotted manure | 5000        | Improve soil structure before Celery planting. |
| Vegetative growth | CAN                | 100         | Split topdress for Celery production.          |

### **Pests and diseases**

| <u>Name</u>       | <u>Type</u> | <u>Symptoms</u>                             | <u>Management</u>  |
|-------------------|-------------|---|--|
| Aphids            | pest        | Leaf curling and sticky honeydew.           | Scout frequently and use selective control when pressure builds. |
| Leaf spot complex | disease     | Necrotic spotting and reduced leaf quality. | Improve airflow, rotate crops, and avoid prolonged leaf wetness. |

### **Yields**

| <u>System</u>                   | <u>Typical</u> | <u>Min</u> | <u>Max</u> | <u>Notes</u>  |
|---------------------------------|----------------|------------|------------|---|
| Managed fresh-market production | 20             | 14         | 30         | Typical marketable Celery yield under irrigated or well-managed conditions. |

### **Season calendars**

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

### **Region suitability**

| <u>Country</u> | <u>Region</u>            | <u>Suitability</u> |
|----------------|--------------------------|--------------------|
| KE             | Highland Vegetable Zones | High               |

Source: FarmLens Ltd - [farmlens.africa](http://farmlens.africa) and [app.farmlens.africa](http://app.farmlens.africa). Headquarters: Nairobi, Kenya. This guide was generated from the FarmLens database.