



OPEN FIELD TOMATO VARIETIES





Introduction

Open-field tomatoes are among the most popular varieties grown under irrigation in Kenya. The major tomato-producing counties in Kenya include Kajiado, Kirinyaga, Narok, Machakos, Kiambu, Taita Taveta, Makueni, Homabay, Lamu, Kisumu, Laikipia, Bungoma, and Trans-Nzoia. Open-field tomato varieties include both open-pollinated and hybrid varieties.

Tomato varieties can be classified into two groups:

- **Determinate tomato varieties:** They grow to a certain height, stop, then flower and set all their fruit within a short period of time.
- **Indeterminate tomato varieties:** They continuously grow, flower, and set fruit without limitation of reproductive stages.

Most Open Field Tomato Varieties Grown in Kenya

1) Rio Grande

- Open field cultivation
- Determinate
- Elongated pear-shaped, bright red, pulpy
- Potential yield - 84 T/ha.
- It performs best in medium to lower-medium zones



2) Onyx FI



Attributes

- Open field cultivation
- Determinate
- Non-staking
- Early maturity
- Firm, oval-round fruits with deep red color when fully ripe.
- Yield potential -45 T/ha.
- Fruits have a shelf life of up to 21 days

3) CAL J



Attributes

- Open field cultivation
- Determinate
- Non-staking
- Yield potential - 70 T/ha.
- Deep red, blocky oval to round in shape and firm
- Shelf life of up to 21 days

4) Kilele FI



Attributes

- Open field cultivation
- Semi-determinate
- Very firm elongated-oval fruits
- Long harvest period
- Long shelf life up to 21 days

Resistant to Tomato yellow leaf curl virus (TYLCV), Tomato Mosaic virus (TMV), Verticillium wilt, Fusarium wilt and nematodes

5) New fortune maker I



Attributes

- Oval shaped firm fruits
- Widely adaptable
- Grows well at the Coast
- Excellent taste for stews and kachumbari
- Premium product
- Yield potential (74 - 85 T/Ha)

6) Money maker



Attributes

- Oval shape
- Indeterminate
- Fresh Market

- Maturity - 75 days

7) ROCKY FI



Attributes

- Determinate
- Maturity 75 days after transplanting
- Average weight: 130g - 150g
- Yield potential: 74 T/Ha
- Strong plant with good cover
- Firm, very good shelf life (21 days)

Resistances / Tolerances:

- Tomato yellow leaf curl virus (TYLCV)
- Tomato spotted wilt virus (TSWV)
- Bacterial speck
- Verticillium Wilt and Fusarium Wilt

8) ONYX F1



Attributes

- Determinate
- Maturity 70 days from transplanting
- Fruit weight 100 - 110 grams
- Yield potential 18 tons per acre (44 T/Ha)
- Early maturing
- Excellent shelf life with very firm fruit

9) Variety: Faulu



Attributes

- Determinate
- Fruit weight 85–95 grams
- Oval shaped uniformed fruits, excellent setting and very firm fruits with good shelf life
- Fruits are very uniform size and set very well under high temperatures
- Resistance to Verticillium and Fusarium
- Yield Potential: 40 T/Ha

10) Variety: Rambo F1



Attributes

- Oval shape
- Determinate
- Disease resistant
- Maturity - 75 days
- Yield Potential: 74 T/Ha

11) Big-Rock fl

Attributes

- Early maturing



- Very firm fruits
- Attractive oval and very firm
- Semi- Determinate variety
- Early fresh harvest
- Yield potential: 74 T/Ha

Attributes

- High quality fruits with long shelf-life
- Ideal for cold and wet areas
- Resistance to TYLCV
- Maturity 80-90 days
- Deep red and large shiny fruits with smooth shoulders
- Fruits are firm and acceptable on the market
- Has high yield potential
- Tall semi-determinate variety that can be harvested over a long period of time
- Yield potential: 74 T/Ha

12) DRD855 I fl





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