



NAVCDP

NATIONAL AGRICULTURAL VALUE CHAIN
DEVELOPMENT PROJECT

TOMATO VARIETIES SUITABLE FOR PRODUCTION IN GREENHOUSE





Introduction

Tomatoes are one of the most widely grown vegetables in Kenya. The country's top tomato-producing counties include Kirinyaga, Machakos, Taita Taveta, Kajiado, Homabay, Lamu, Kisumu, Laikipia, Bungoma, and Trans-Nzoia. Grown varieties can be classified into two groups:

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

Greenhouse tomato varieties:

Anna F1

Attributes

- Indeterminate
- long harvest duration of up to 8 months
- Yield potential - 300 tons/ha
- Disease tolerant
- Deep red colour, firm.
- Firm





TYLKA FI

Attributes

- Indeterminate, can be grown outdoors.
- Non-staking, but training is necessary.
- Minimum foliage
- Oval, elongated, very firm with sweet flavoured fruits.
- Harvest duration: 4-6 months
- Yield potential: 120t/240 m² (8x30 m greenhouse)
- Long shelf life: up to 28 days

PROSTAR

Attributes

- Hybrid indeterminate tomato.
- Can grow outdoors.
- Attractive red fruits,
- Oval shaped.
- Very long harvesting period.
- 18 t/acre.
- Excellent keeping quality
- tolerant to Tomato Leaf Curl virus and Bacterial Wilt.



SAMANTHA F1

Attributes

- Indeterminate.
- Maturity 60 - 70 days after transplanting.
- Fruit weight 90 - 95 grams.
- Yield potential 9 - 11 kgs. per plant in greenhouse / 50 tons per acre outdoors.
- Suitable for regions with Bacterial Wilt problems.
- Oblong shaped uniform fruits.

Resistances/tolerances

- Intermediate resistance to Bacterial Wilt.
- Intermediate resistance to Tomato Yellow Leaf Curl



Virus.

- Resistance to Tomato Mosaic Virus.
- Resistance to F1 Fusarium Wilt.
- Resistance to Fusarium Crown and Root Rot.



GEM F1

Attributes

- Indeterminate.
- Maturity 75 days from transplanting.
- Fruit weight 130 - 150 grams.
- Yield potential 35 - 40 kgs / m² in greenhouse and 60 tons per acre outdoors.
- Long shelf life of up to 21 days at room temperature
- Strong calyx retention and

- long harvest period.
- Uniform clusters with 6 fruits average

Resistances / tolerances:

- Tomato Yellow Leaf Curl Virus (TYLCV)
- Cucumber Mosaic Virus (CMV)
- Tomato Mosaic Virus (ToMV)
- Fusarium Wilt (Fol: 1,2)
- Verticillium Wilt (Vd & Va)
- Grey Leaf Spot

Chonto

Attributes

- High yield 15 kgs/ plant.
- Indeterminate.
- Long shelf life up to 21 days at room temperature.



- Maturity – 75 days after transplant.

Bravo FI

Attributes

- Indeterminate
- Fruit weight 120 -150 grams
- Yield potential 10 -13kgs per plant in greenhouse
- Long shelf life of up to 21 days at room temperature
- Adapts well to various of agro-ecological zones, long harvest period range up to 12 months





Compiled by: Khabi, S., Ndambuki, J., Otipa, M., Ndung'u, J. M., Tabu, R.,
Lelgut, D., Malinga, J., Ndegwa, A., Ochieng, V., Kirigua, V., Jamoza, J. and
Wasilwa, L.

Contributors: Odhiambo, H., Ongawa, M., Omolo, P. and Nyaga, A.

Edited by: Nyabundi, K.W., Mukundi, K., Maina, P., Wanyama, H.N.,
Kipkorir, A.B. and Mugata, R.K.

For further information, contact:

Food Crop Research Centre - KALRO. Muguga,
P.O. Box 30148- 00100, Muguga
Email: cd.director@frcr.org

KALRO Call Centre: 0111010100

KALRO/NAV CDP/ Tomato/Pamphlet No. 73//2024