

Disease Resilient and Market-Preferred Tomato Varieties

Better yield, less disease, more income



This technology offers market-preferred tomato varieties that help seed companies and growers supply reliable seeds and fresh tomatoes. The varieties combine good yield potential, resistance to key diseases depending on the variety, and for several of them, a shelf life of more than 15 days to support transport and market distribution.



World Vegetable Center
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Commodities

Tomato

Sustainable Development Goals



+ 1 more

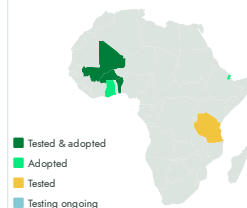
Categories

Production, Improved varieties,
Disease resistance, Yield improvement

Best used with

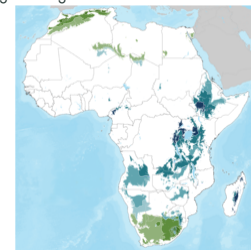
Zero Energy Cooling Chamber for Vegetables
See all 1 technologies online

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Producers, Farmers, Seed companies



This technology is **pre-validated**.

9.7



Scaling readiness: idea maturity 9/9; level of use 7/9

3703 USD

Cost per season per hectare

10868 USD

Revenue per season per hectare

7165 USD

Net income per season per hectare

193 %

ROI per season



IP

Open source / open access

Problem

- Tomato diseases reduce harvest and make supply unstable.
- Costs rise due to replanting and repeated control actions.
- Losses increase during transport and storage.

Solution

- Resistant or tolerant varieties reduce tomato losses from bacterial wilt and tomato yellow leaf curl virus.
- High yield in cool season improves volume and profitability.
- Longer shelf life reduces losses during transport and marketing.

Key points to design your business plan

- **Build a clear market offer** around fresh-market red tomato types (shapes and sizes vary) and promote disease-resilient options for areas affected by bacterial wilt and tomato yellow leaf curl virus.
- **Secure seed volumes early** through certified multipliers and seed companies, and protect your reputation by verifying variety identity and seed quality before selling.
- **Sell with the season** by aligning seed availability and promotions with the cool season, when these varieties perform best and when farmers make key purchase decisions.
- **Support customers to get results** by providing simple guidance on nursery management, transplanting, staking, watering, and field hygiene, so farmers can protect yield and fruit quality.
- **Reduce market losses where possible** by promoting varieties with longer shelf life (more than 15 days for several varieties) and advising on careful harvest and transport practices.

Inclusion assessment

Climate impact



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<https://taat.africa/oer>

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