



Hot and Aromatic Round Pepper for Culinary and Processing Use


Intense Heat, Rich Aroma, Market Ready!


These spicy and flavorful peppers grow well in hot regions and meet local taste preferences. They can support nutrition programs, income generation, and rural development goals. A practical option for seed distribution and public farming initiatives.



 This technology is **pre-validated**.

 **7-8**  Scaling readiness: idea maturity 7/9; level of use 8/9

Inclusion assessment  **4**

Climate impact  **7**

Problem

- **Reduced Production:** Yield losses limit supply of high-heat, aromatic peppers and reduce farmer incomes.
- **Health Risks:** Heavy pesticide use threatens public health and environment.
- **Weak Seed Systems:** Poor pipelines block delivery of improved, uniform pepper varieties.
- **Low Productivity:** Low farm output limits rural development impact.

Solution

- **Disease Resistance:** Increases pepper production nationally.
- **Less Pesticide Use:** Protects health and the environment.
- **Early Maturity:** Supports farmer income growth.
- **Heat and Aroma:** Meets market and consumer demand.
- **Climate Adaptability:** Fits national food security and climate plans.

Key points to design your project

These disease-resistant round pepper varieties from WorldVeg are adapted to hot, disease-prone environments and offer reliable yields with consistent fruit quality—ideal for improving farmer income, nutrition, and climate resilience.

To integrate them into a project:

- Source seed from WorldVeg and begin local registration.
- Target areas with high disease pressure and poor-performing local varieties.
- Engage trusted cooperatives or seed multipliers to ensure quality seed production.
- Distribute through agro-dealers in appropriate package sizes for smallholders and larger farms.
- Set up demonstration plots and train farmers through local extension networks.
- Promote adoption using local languages and trusted communication channels.
- Connect producers with traders and processors to strengthen market access.
- Monitor uptake, yield performance, and market outcomes to guide scaling.

Cost: **\$\$\$ 2336 USD**

All production cost for 1 hectare

ROI: **\$\$\$ up to 434 %**

over 10 harvests

6.8–18.01 t/ha

over 10 harvest

70–85 days

Days to Maturity after Transplanting

Officially released in Benin in 2025



Open source / open access

Commodities

Chili peppers

Sustainable Development Goals



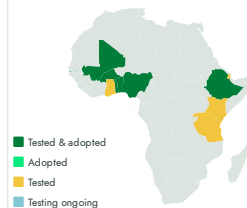
Categories

Production, Improved varieties, Disease resistance, Yield improvement

Best used with

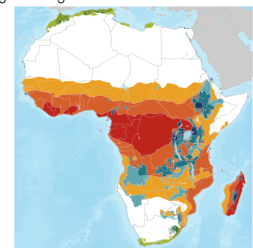
Zero Energy Cooling Chamber for Vegetables
See all 1 technologies online

Tested/adopted in



Where it can be used

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



Target groups

Breeders, Farmers, Processors, Seed companies



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