



Food and Agriculture
Organization of the
United Nations



FAO Technical Cooperation
Programme

Improving Iranian Pistachio's Production and Export through Integrated Product Management





Brief Description

Iranian pistachio is a vital agricultural export commodity that commands a prominent position in international markets.

To strengthen the status of Iranian pistachio in the global markets, there is a need for advanced production technologies, efficient harvesting, mechanized processing, and updated quality control measures for mycotoxins, pesticide residues, and other contaminants. These improvements will ensure higher safety and quality standards, boosting export potential.

This initiative aims to enhance productivity, reduce waste, and improve the quality and export potential of pistachio products, benefiting the entire value chain from growers to consumers.





Project Goals

1

Enhancing pistachio orchard productivity:

- Develop technical protocols for soil and water management
- Standardize guidelines for pest control
- Pilot good agricultural practices aflatoxin management, including a farmer-participatory model through Farmer Field Schools (FFS).

2

Improving harvest and processing procedures:

- Assess and implement advanced technologies and machinery for harvesting, processing, and storage to reduce aflatoxin contamination
- Pilot best practices
- Conduct workshops for supply chain stakeholders

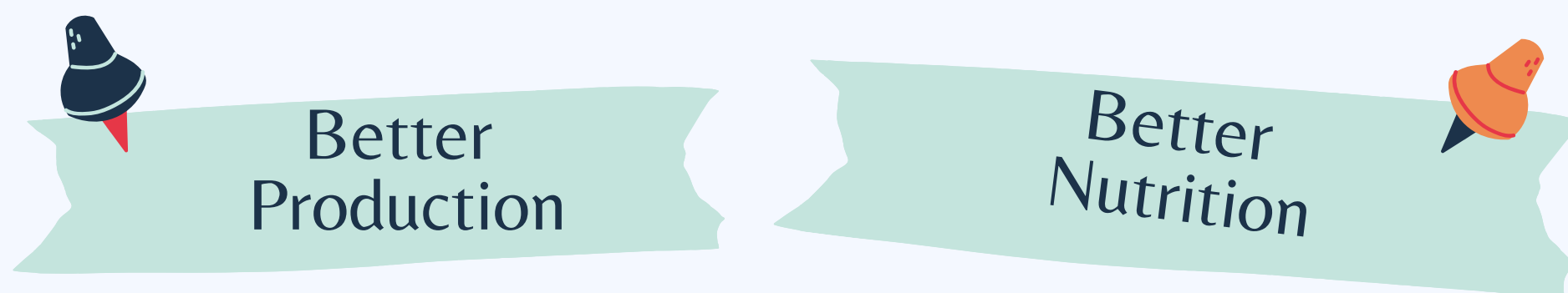
3

Strengthening quality control and institutional capacities:

- Improving chemical control guidelines based on European Union pesticide standards and Codex Alimentarius
- Updating quality standards in line with UNECE and Codex Alimentarius
- Enhancing safety protocols under the Global Food Safety Initiative (GFSI) standards
- Updating packaging and labelling guidelines
- Strengthening coordination among national stakeholders to ensure regulated safety standards
- Providing technical laboratory equipment for aflatoxin and ochratoxin testing



FAO Strategic Priorities



BP1: Innovation for Sustainable Agriculture Production



BN3: Safe Food for Everyone



Main Partner

The Food and Agriculture Organization of the United Nations implements this Technical Cooperation Programme (TCP) to strengthen the capacity of the Ministry of Agriculture Jihad and the Deputy of Horticulture to improve Pistachio's integrated supply chain management. This capacity building shall contribute to the pistachio's value supply chain's productivity, efficiency, and effectiveness at each stage.



Funded by FAO



Technical Cooperation
Programme



USD 415 000 budget

FAO's Contribution

FAO, as the specialized agency of the United Nations and leading global efforts in food security and sustainable agriculture, collaborates with the Government of the Islamic Republic of Iran and the Ministry of Agriculture Jihad to strengthen the pistachio value chain.

Through this project, FAO provides financial support and technical expertise to enhance national capacities in production, harvest, and processing technologies.

The initiative also focuses on improving institutional arrangements and contaminant monitoring systems, ensuring better management across the entire pistachio supply chain. By integrating sustainable agricultural practices and innovations, the project aims to optimize productivity while promoting food safety and sustainability.



Project Time Frame

2023-2025

Iranians have been growing pistachio trees
for over 3 000 years.

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