

Success Story of Organic Turmeric Farming: A Journey of Innovation and Sustainability

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Farmer Details

Farmer Name: Ajitpal Singh

Location: Dholan Majran

Contact Information: 7696502189

Land Holding: 14 Hectares

Crops Cultivated

- Turmeric – 2 hectares
- Other crops – rice, wheat, maize

Background

Mr. Ajitpal Singh, a progressive farmer from Dholan Majran, has been cultivating crops on his 14-hectare farmland for many years. Among various crops, turmeric occupied 2 hectares of his land. Turmeric, known for its high market demand and medicinal properties, had always been a valuable crop for him. However, Mr. Ajitpal Singh realized that conventional farming methods had limitations—yield stagnation, high input costs, and increasing dependence on chemical fertilizers and pesticides. Driven by a vision of sustainable agriculture and the desire to increase turmeric production profitably, Mr. Ajitpal Singh decided to switch to 100% organic farming methods for turmeric cultivation. There are no fertilisers and pesticides in organic turmeric farming is used. He apply only organic manure in his farm. He was doing turmeric farming for more than 10 years and he takes training for punjab agricultural University (PAU), Ludhiana.

The Transition to Organic Farming

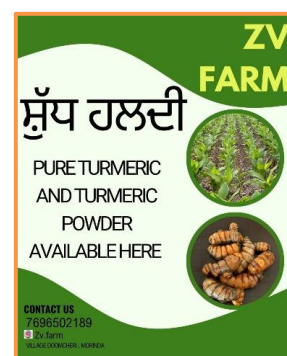
Understanding the importance of soil health, biodiversity, and sustainable practices, Mr. Ajitpal Singh adopted the following organic techniques for turmeric farming:

- **Organic Soil Preparation:** He used compost, green manure, and vermicompost to enrich the soil naturally, improving fertility and structure.
- **Biological Pest Control:** Instead of chemical pesticides, he applied neem-based sprays and introduced beneficial insects to control pests.
- **Crop Rotation & Intercropping:** To maintain soil nutrients and reduce disease pressure, he practiced crop rotation and intercropped turmeric with legumes.
- **Natural Weed Management:** Manual weeding and mulching techniques were followed to control weed growth.

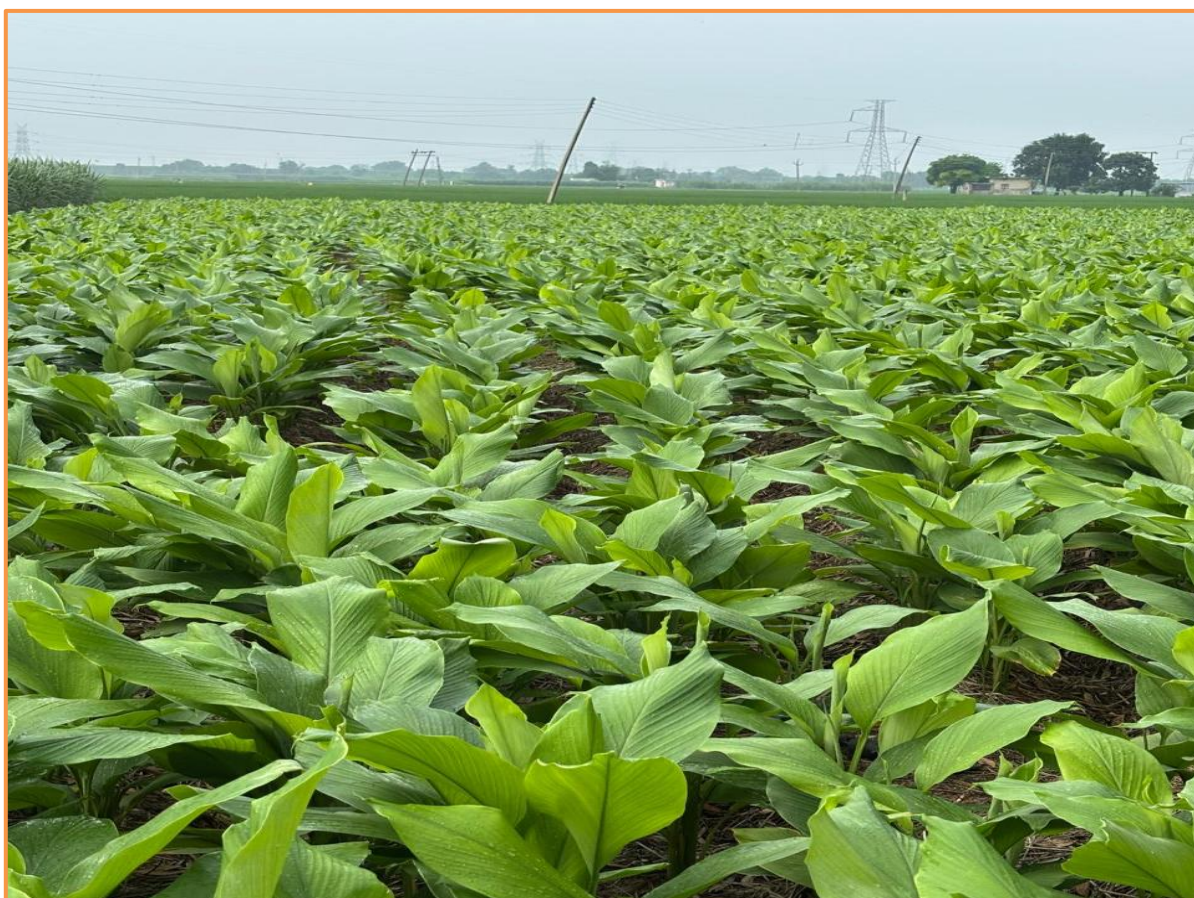
Post harvest management

After harvesting of turmeric Mr. Ajitpal Singh starts post harvest practices by following:

1. After harvest washing of raw turmeric has been done to remove all the dirt and debris.
2. Then, allow it to dry for few days until it becomes completely dry.
3. After that grinding of dried turmeric is done by which it converted into powder form



4. After that we have to store the grind turmeric powder into cool and dark place to maintain its quality for several months.



The Results

After adopting organic practices, Mr. Ajitpal singh witnessed remarkable improvements in turmeric yield and quality. From one hectare he obtain about 25-30 ton rhizomes. After drying and processing, the yield obtain in powder form is about 6-7 ton per hectare. The profit earn by him per hectare is 2lakh annually.

- The **turmeric yield increased by 30%** compared to previous conventional farming cycles.
- The **quality of turmeric improved significantly**, with higher curcumin content and better color, attracting premium market prices.
- **Input costs reduced by 25%**, as organic methods eliminated the need for expensive chemical fertilizers and synthetic pesticides.
- The **soil health improved visibly**, with enhanced structure and higher earthworm activity, ensuring long-term sustainability.

Economic and Social Impact

Mr. Ajitpal singh now sells his turmeric under the organic label, earning a 40% higher price than conventional turmeric in the local and regional markets. His success inspired neighboring farmers to consider organic farming, creating a small community movement toward sustainable agriculture in his region. Moreover, Mr. Ajitpal singh .now enjoys better profitability and environmental balance, with improved farm resilience against climate variability.

Message From Farmer

"आधुनिक तकनीक और मेहनत से खेती भी सुनहरा करियर बन सकती है"