

Attracting and Retaining youth in Agriculture (ARYA) Project

KVK-BHAVNAGAR

Gujarat's topography is diverse, yet a large portion of the state is dominated by arid and dry areas. The state's average rainfall varies greatly by zone, ranging from 250 mm to 1500 mm. Five of the eight agro climatic zones are arid to semi-arid, with the remaining three being dry sub-humid. The majority of the state's soil types are deep black to medium black. Cotton, groundnuts (peanuts), dates, sugar cane, milk, and milk products are the state's main agricultural products. In India, Gujarat is the leading producer of groundnuts, cotton, and tobacco. Castor, Groundnut and Mustard are the important oilseeds crops of the state. The state has notable achievement in production and productivity scenario in cotton, castor and groundnut. State has a 30% share in country for production of Groundnut with 20.37 lakh MT production through area coverage of 14.02 lakh ha.

Gujarat still has to rely on outside sources for its turmeric powder, despite farmers there expanding their supply. Unlike the existing production of 80-86 thousand tonnes of turmeric, 1.50 to 1.60 lakh tonnes can be obtained immediately from the new crop. Turmeric yields 20 tons per hectare on average in Gujarat. Over the past decade, the farming industry has expanded by 162%. A 273 percent rise in production has occurred. At the moment, the majority of Gujaratis consume turmeric powder from outside. Present-day turmeric is primarily marketed as green turmeric. In contrast, some states must rely on powder. According to data from the Horticulture Department, 86930 tonnes of turmeric were produced in Gujarat in 2018–19, covering 4424 hectares of land. 1316 tonnes of turmeric were produced on 80 hectares in Saurashtra. Amreli produced 476 tons on 24 hectares, the highest yield. 370 tons were found on 22 hectares in Surendranagar.

In the year of 2019-20, Bhavnagar district covered 117204 ha area under Kharif groundnut cultivation with the 204300 MT production. In the recent scenario, the trend of organic cultivation is increasing day by day. However, the organic groundnut oil is available at retail price of Rs. 2100/kg to Rs. 250 / kg in the local market. The processing of the Groundnut is become popular in the district. The mini oil mill unit is a best way to start small scale agriculture business entrepreneurship at village level.

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Additionally, the district is seeing a rise in demand for organic turmeric powder. Turmeric processing is therefore one of the top small-scale agricultural businesses operating at the village level.

The project, Attracting and Retaining Youth in Agriculture (ARYA), was approved to KVK-Bhavnagar in 2018–19 and it supported by the Indian Council of Agricultural Research (ICAR), New Delhi, via the ICAR-Agricultural Technology Application Research Institute, Zone VIII, Pune. As one of the initiatives under the ARYA Project, KVK-Bhavnagar began encouraging the processing and value addition of spices, oilseeds, pulses, fruits, and vegetables. In the district, KVK also supported milk processing, vermi composting, and nursery growing for fruit and vegetable seedlings. KVK discovered, in response to requests, that the district's rural youth have the potential to establish a small-scale processing facility in order to generate revenue.

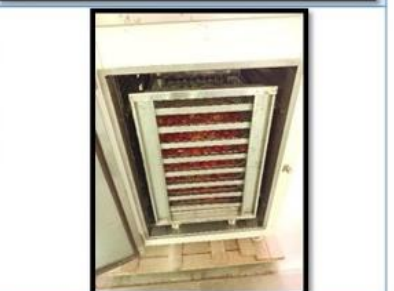
Through a variety of extension initiatives, KVK supported the district's rural youth under the ARYA project. It also trained small-scale agricultural entrepreneurs. According to the information provided below, the Bhavnagar district is currently home to a number of small-scale Entrepreneur Units.

Sr. No.	Name of Enterprise/ Unit	Village	Talaja	Year of start
1	Vermi-Composting Unit (1 Unit)	Babariyat	Talaja	2019-20
2	Nursery Units (Fruits and Vegetables) (3 Units)	Khadsaliya and Ambala	Bhavnagar and Sihor	2019-20
3	Mini Oil Mill (Groundnut) (1 Unit)	Sanosara	Sihor	2020-21
4	Spice Pulverizing Units for Chilli (1 Unit)	Shevdivadar	Jesar	2020-21
5	Hammer Mill for Turmeric (1 Units)	Avaniya	Bhavnagar	2021-22
6	Fruits and Vegetable Dehydration Unit (Incubation Technology)	KVK, Sanosara	Sihor	2021-22
7	Hammer Mill for Turmeric (1 Units)	Manar	Talaja	2022-23
8	Spice Pulverizing Unit for chilli (1 Unit)	Longadi	Mahuva	2022-23
9	Mawa Making Unit (1 Unit)	Kalsar	Mahuva	2023-24
10	Hydroponics Unit as Incubation technology (Trainings)	KVK, Sanosara	Sihor	2023-24
11	Mini Dal Mill (1 Unit) Unit Established	Medha	Palitana	2024-25
12	Spice Pulverizing Unit for chili Unit (1 Unit)	Krushnapara	Sihor	2024-25

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Small Scale Nursery Unit



Fruits and Vegetables Dehydrator

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Spice Pulverizer at Juna Padar Village



Spice Pulverizer at Longadi Village



Hydroponics Unit Established at KVK for Trainings and Demonstration purpose



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Mini Oil Mill for Groundnut
at Sanosara Village of Shihor Taluka



Spice Pulverizing Unit
at Longali Village of Talaja
Taluka



Impact type Hammer
Mill
at Avaniya Village of Ghogha
Taluka

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Mawa Making Unit

at Kalsar Village of Mahuva Taluka



Turmeric Pulverizer at Avaniya Village
