

Aquaponics in India

A) Aquaponics Experimental Unit, at the ICAR-Central Institute of Fisheries Education (CIFE), Mumbai, was established in 2010, where research is being conducted on various aspects of Aquaponics. Experiments were conducted initially in small-scale units and later in larger-scale units. Trials were conducted using different species of fish such as Common Carp, Koi Carp, Gold Fish and Tilapia. Leafy plants such as Spinach, Mint, Basil and fruiting plants like Tomato, Chilly, Okra, Brinjal and Capsicum were grown using different techniques of Aquaponics such as media filled bed, floating raft, nutrient film and vertical tower.



Aquaponics Unit at ICAR-CIFE, Mumbai

B) Nanniode Aquaponics

Nanniode, Palakkad, Kerala, is said to be India's Largest Commercial Aquaponics Farm. It was established by Shri Vijayakumar Narayanan in 2012. He organizes seminars, runs classes and offers consultancy for commercial projects on Aquaponics at his Nanniode Aquaponics Research and Development Centre (NARDC), in Palakkad.

C) Anjali Aquaponics Farm, spread over 15 acres in Gundedu village, Balanagar mandal Mahboobnagar district, Telangana State (65 km from Hyderabad), was established in 2014 by a progressive farmer Shri Bh. R. Viswanadha Raju. 'GIFT'/ Red Tilapia' is cultured in 25 – 30 sq m and 1.2 – 1.5 m deep tanks at a density of 100/cu m in an RAS mode, and 'organic vegetable' crops like lettuce, cabbage, other leafy vegetables, tomatoes, bottle gourd, bitter gourd, etc., are grown on gravel beds, rafts, vertical towers and on trellises (framework) in the open. Attempts are also underway to raise high-value fish such as Striped Murrel and Seabass besides Carps in additional RAS tanks. [Personal communication]



Images of Anjali Aquaponics Farm, Gundedu village, Mahboobnagar district, Telangana State, showing RAS tanks, fish, vegetable crops cabbage, lettuce, tomato in gravel beds, bottle gourd on trellises in the open, and a compact 'Home Aquaponics Unit

D) Urbagrow Aquaponics: at Survey Park, Kolkata, West Bengal, comprises of a 1000 sq ft rooftop Aquaponic Garden producing an abundance of vegetables.

<http://www.urbagrow.com/>

E) Radongrow India: one of the biggest online stores in India, offering all the items required for Hydroponics. They also provide end to end solutions for installing Hydroponic systems.

<https://www.radongrow.com/>

F) Indian Aquaponics Society: started on 19 March 2012, is an online facebook-group sharing information on Aquaponics through posts by members.

G) India Aquaponics:

Established in 2013 at Chandigarh by Messrs Parag Thakkar, Parul Thakkar and Pardeep Vedi, has a 600 sq.ft facility; they developed an Aquaponics monitoring system that can provide online information to the user anywhere. They offer urban solution known as CSA – Community Supported Agriculture, where every individual can setup small Aquaponics farm. They offer systems ranging from 500 sq ft to 2,500 sq ft for commercial production. A basic system of 6 sq ft is also available which requires only 25-30 W power that can be obtained from a solar power system.

<http://indiaaquaponics.in/>