Infood Technologies, Inc.
F-5 (Fantastically Fun Fresh Food Factory)
School Packages

The F-5 is a fantastic system for the beginner and makes an ideal classroom aquaponic system. It is a highly productive aquaponic system designed to raise fish and plants in an integrated system.

System Specs:

- Vegetable Production: 900 – 1,440 heads of lettuce/year (or other vegetables such as tomatoes, beans cucumbers and more)
- Fish Production: 110 lbs of fish/year
- System Dimensions: 6' x 16' = 96 sq. ft.
- Suggested total area indoors or greenhouse: 12' x 20' = 240 sq. ft.
- Estimated Labor/day: 1/2 – 1 hour/day
- Electrical Requirements: 2.4 amps 120V, 24/7 + 1000 watts for grow lights
- Other system needs: Fresh water and a drain for waste water
- System Configuration: 1-100 gal fish tank, all filter tanks and pumps, 2-4' x 6' raft tanks

Aquaponics

Aquaponics is a form of agriculture that combines raising fish in tanks (recirculating aquaculture) with soilless plant culture (hydroponics). In aquaponics, the nutrient-rich water from raising fish provides a natural fertilizer for the plants and the plants help to purify the water for the fish. Aquaponics can be used to sustainably raise fresh fish and vegetables for a family, to feed a village or to generate profit in a commercial farming venture, year 'round, in any climate.

Aquaponics in Education

In an educational setting, Aquaponics is an excellent means of demonstrating many principles of science, agriculture, nutrition, math and business, in all grade levels from elementary to University. A classroom system will inspire a sense of responsibility and an understanding of food production as students nurture fish and plants. A unit in Aquaponics can be started at the beginning of a semester and run through the entire semester or school year, allowing the educator to present the individual concepts and lessons as the plants and fish develop and grow. All of N&P's Aquaponic Systems for schools include proven system designs and parts, a school curriculum, detailed assembly and operation manuals standard operating procedures and tech support.

The concept of interdisciplinary education shines when it comes to aquaponics in schools. In addition to the plant sciences, aquaponics incorporates and demonstrates many of nature's cycles, nitrification, biology, fish anatomy and nutrition and high-tech agriculture. A unit in aquaponics enforces practical uses of chemistry, mathematics, physics, economics and engineering. The monitoring and care of an aquaponic system by students helps instill a sense of responsibility, inspires creativity and creates excitement in the learning environment.

Courses and Skills Enhanced by Aquaponics

Science – Earth Science – Life Science – Environmental Studies – Biology – Micro Biology – Plant Biology
Plant Physiology – Fish Biology – Limnology – Horticulture – Agriculture – Business – English – Math
Chemistry – Engineering – Nutrition – Culinary Arts – Technology – Life Skills – Leadership - Responsibility

	F5 Standard	F5 Premium
System	F5 complete system	F5 complete system
Shipping	Shipping included in continental US Packing and Pelletizing included	Shipping included in continental US Packing and Pelletizing included
Extra Equipment	1 HID Grow Light Kit w/Controller 1 Electric Water Heater w/plumbing kit Fish net and thermometer	4 LED Grow Lights, Cords and Controller 1 Electric Water Heater w/plumbing kit Fish net and thermometer UV Filter w/plumbing kit Biosecurity Package Fish Tank Window Kit
Growing Supplies	Starter Pack of Fish Food 6 plant rafts 4 Packs of Seeds 2 Sheets of Rockwool Grow Cubes 1 Seed Gemination Kit	Starter Pack of Fish Food 10 plant rafts 4 Packs of Seeds 4 Sheets of Rockwool Grow Cubes 2 Seed Gemination Kits 4 Packs of Sticky Traps for pest monitoring
Water Testing Equipment	Aquaponics Water Quality Test Kit PH Pen DO Pen	Aquaponics Water Quality Test Kit PH Pen DO Pen
Support and Documentation	1 Year N&P Grower Support Program Aquaponics School Curriculum Pkg Detailed Assembly Manual Detailed Operation Manual Standard Operating Procedures (SOPs) Aquaponic Food Production Book	1 Year N&P Grower Support Program Aquaponics School Curriculum Pkg Detailed Assembly Manual Detailed Operation Manual Standard Operating Procedures (SOPs) Aquaponic Food Production Book 2 Enrollments in the online Aquaponics Master Class®
Special Discounted Price for HT Inc.*	$15,000*	$20,000*
*Custom systems for larger deployments available upon request.		

Proven Aquaponic System Designs

Infood Technologies' Aquaponic Systems are the most productive, efficient, sustainable and dependable aquaponic systems for producing fresh fish and vegetables, all in one integrated system that requires a minimum of water, labor and energy. Each of the system components are sized and designed to provide maximum production, proven component ratios, water flow parameters, water quality and nutrient dynamics.

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