

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Aquaponics Market 2018, Forecast to 2023

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# **Abstracts**

Aquaponics refers to any system that combines conventional aquaculture (raising aquatic animals such as snails, fish, crayfish or prawns in tanks) with hydroponics (cultivating plants in water) in a symbiotic environment. In normal aquaculture, excretions from the animals being raised can accumulate in the water, increasing toxicity. In an aquaponics system, water from an aquaculture system is fed to a hydroponic system where the by-products are broken down by Nitrifying bacteria into nitrates and nitrites, which are utilized by the plants as nutrients, and the water is then recirculate back to the aquaculture system.

### **SCOPE OF THE REPORT:**

This report focuses on the Aquaponics in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Aquaponics Market has been considered as a sustainable form to develop agriculture for a very long time in history, dating back to the Aztecs. While Aquaculture and Hydroponics are two different concepts, Aquaponics is a combined method of Food Sales in which both the former concepts are used to create a symbiotic ecosystem. This system was harnessed with an aim to grow plants and fish with help of nitrification using bacteria to provide the necessary nutrients. It works in a way where plants in hydroponic growth beds feed on the nutrient rich waste water from fish. Filtering beds remove fish affluent, algae, leftover fish feed and help recycle fresh water in to the fish tanks. Plants convert the carbon dioxide into oxygen, hence acting as natural water aeration systems. This form is currently making a huge comeback with many farmers, households and communities trying to implement it in their backyards or in their farms.



regional and global companies.

Modern aquaponics is technologically advanced and is an efficient and effective way of producing natural food. Fishes are reared in large tanks, and the plants are nurtured hydroponically. They are implanted in beds with a little gravel or clay, and their roots hang down into the water. The water is cycled through the system so that it collects the residual waste from the fish; then it is pumped to the plant beds, where it is cleaned naturally by the plants and can then be returned to the fish tanks. Investments in commercial large scale aquaponics projects are increasing widely due to a booming organic food market and growing urban farming. Aquaponics market is relatively fragmented with the presence of few players at country level and lack of

In regional segments, North America and Europe possess significant potential whereas Asia-Pacific and other developing markets possess growth opportunities for Aquaponics over the forecast period. The technological advancement, growing investment by key stakeholders, and increasing demand for organic products in Europe and North American Region are promoting the growth of Aquaponics Market.

Aquaponics market can be segmented by type MFG, NFT, DWC, etc. and the revenue proportion of DWC in 2016 is about 47%. MFC is the simplest form of aquaponics, NFT is not common in aquaponics industry and the price of DWC is the highest. The growth of aquaponics market is mainly due to technological advancement. The key driver of aquaponics market is that it helps in enhancing the ultimate productivity with minimum inputs than traditional agriculture and aquaculture practices. Aquaponics is an advantageous technology as it helps in improving ultimate productivity in cost effective manner.

The main players include Nelson and Pade, Backyard Aquaponics, Aquaponics USA, PentairAES, Gothic Arch Greenhouses, Stuppy, Aquaponic Source, Urban Farmers AG, PFAS, EcoGro, Aquaponic Lynx, Aquaponics Place, Endless Food Systems, Aonefarm, ECF Farm Systems, Japan Aquaponics, Evo Farm, Water Farmers and etc. The industry is not so mature recently.

The worldwide market for Aquaponics is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Nelson and Pade

Aquaponic Source



**Backyard Aquaponics** 

Aquaponics USA	
PentairAES	
Gothic Arch Greenhouses	
Stuppy	
ECF Farm Systems	
Urban Farmers	
PFAS	
EcoGro	
Aquaponic Lynx	
Aquaponics Place	
Endless Food Systems	
Aonefarm	
Japan Aquaponics	
Evo Farm	
Water Farmers	
Market Segment by Regions, regional analysis covers	
North America (United States, Canada and Mexico)	

Europe (Germany, France, UK, Russia and Italy)



Asia-Pacific (China, Japan, Korea, India and Southeast Asia) South America (Brazil, Argentina, Colombia etc.) Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa) Market Segment by Type, covers Media Filled Growbeds (MFG) Nutrient Film Technique (NFT) Deep Water Culture (DWC) Others Market Segment by Applications, can be divided into Academic Commercial Family Others There are 15 Chapters to deeply display the global Aquaponics market. Chapter 1, to describe Aquaponics Introduction, product scope, market overview,

market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Aquaponics, with sales, revenue, and price of Aquaponics, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;



Chapter 4, to show the global market by regions, with sales, revenue and market share of Aquaponics, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Aquaponics market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Aquaponics sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source



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