

The Vertical Farming market is expected to grow at a CAGR of 25% during the forecast period i.e. 2018-2023

The factor for the rise in vertical farming market includes people's inclination towards provoking high quality food without the use of pesticides

HYDERABAD, TELANGANA, INDIA, September 6, 2018 /EINPresswire.com/ -- Concrete Jungle will increase the adoption of [Vertical Farming](#)

Vertical farming has transformed the modern agricultural practice with its innovative automation to produce good quality nutritious food while reducing the cost and consumption of harmful chemicals products. Globally, the vertical farming is estimated to grow with huge progress during the forecast period 2018-2023.

Vertical farming is based on three major growing mechanisms: Hydroponics, Aeroponics and Aquaponics. Hydroponics is one of the most commonly used techniques which requires less water and it contains the necessary material, nutrient for the growth of crop and hence it is the best alternative for soil. Hydroponics saves around 90% water. Besides, a hydroponic plant can grow 30% faster than a plant grown in soil.

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Vertical farming helps to attain refined control over the plants and enhance the overall quality of crop with the use of UV lights where crops can be grown round the year in controlled environment. The factor for the rise in vertical farming market includes people's inclination towards provoking high quality food without the use of pesticides, since the use of pesticides are cause of pollution, affecting soil and water. Water pollution which destroys the food chains and can cause a decline in animal population and the soil fertility is affected as pesticides kills the active organisms present in soil. The main drawback in vertical farming is that it can grow only in a limited range of crops which can grow commercially and are economically viable.

The second aspect for the growth of vertical farming is lack of dependency on the weather for production, since the modern technique of indoor farming requires less land, less water and use of artificial UV lights. This reduces the lack of dependency on climate to grow plants; but the use of UV lighting is complex because plants react uniquely to a different spectrum and color. There are ongoing extensive research and data collection processes to make indoor farming an economically viable and energy efficient option.

By 2050, nearly 80% of the earth's population will reside in urban regions. The human population will increase by about 3 billion and so there is need to increase the agricultural footprint. Vertical farming practice and its technologies can develop and establish more opportunities for the market hence, attracting increasing interest from venture capitalists and investors, such as the world's largest manufacturer of frozen french fries and potato specialist "McCain Food Limited" has commenced partnership with "TruLeaf Sustainable Agriculture Company" and made a significant investment with the aim of obtaining a food innovation strategy for commercializing the business.

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AeroFarms, is the world's largest vertical farming business. AeroFarms has claim finance from Goldman Sachs and Prudential to support funding the \$40 million Newark project with plans to build 25 farms over the next five years and enlarge its reach across continents, such investment and collaborations in vertical farming market will clinch the growth during the forecast period.

Vertical Farming market report is segmented as indicated below:

1. Vertical Farming Market – By Technique

1.1. Hydroponics - Method

1.1.1 Wick systems

1.1.2 Deep water Culture (DWC)

1.1.3 Nutrient Film Technique (NFT)

1.1.4 EBB & flow (Flood & Drain)

1.1.5 Aeroponics

1.1.6 Drip System

1.2. Aeroponics - Methods

1.2.1 High Aeroponics

1.2.2 Low Aeroponics

1.3. Aquaponics - Methods

1.3.1 Media beds

1.3.2 Nutrient Film Technique (NFT)

1.3.3 Deep Water Culture (DWC)

2. Vertical Market Structure - Type

2.1.1. Building Based Vertical Farm

2.1.2. Shipping Container Farm

2.1.3. Indoor vertical Farm

2.1.4. Rooftop vertical Farm

3. Vertical Farming Marketing- Crop Categories

3.1. Strawberries

3.2. Potatoes

3.3. Tomatoes

3.4. Mint

3.5. Basil

3.6. Lettuce

3.7. Green Beans

3.8. Egg Plant

3.9. Mustard Seeds

3.10. Ginger

3.11. Watermelon

3.12. Salad Green

3.13. Peppers

3.14. Other

4. Vertical farming Market – Tools

4.1. Introduction

4.2. Fertilizers

4.3. Water

4.4. Light

4.4.1. LED

4.4.2. Natural Lighting

4.4.3. Solar Cells

4.4.4. Spectrum

4.5. Others

5. Vertical farming Market – By End Users

5.1 Residential

5.2 Industrial

5.2.1 Small and Medium Business

5.2.2 Agriculture

5.2.3 Other

6. Vertical Farming Market – By Market entropy

7. Vertical Farming Market – By Geography

Companies Cited/Interviewed/Referenced

Sky Greens

Aerofarms

Agrilution

American Hydroponics

Illumitex

Urban Crop solutions

Green Sence farms

Plantagon International AB

Indoor Harvest

Hort Americas

Company 15+

Related Reports:

A. Farm Equipment Market

<https://industryarc.com/Report/169/Global-Farm-Equipment-Market-Research-Report.html>

B. Drip Irrigation Systems Market

<https://industryarc.com/Report/15226/drip-irrigation-systems-market.html>

What can you expect from the report?

The Vertical Farming Market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories
2. Market trends
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis (By Revenue & Volume)
12. Country level Analysis (15+)
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis

19. Opportunity Analysis
20. Revenue and Volume Analysis

Frequently Asked Questions:

Q. Does IndustryARC publish country, or application based reports in Vertical Farming Market?
Response: Yes, we do have separate reports and database as mentioned below:

1. North America Vertical Farming Market (2018-2023)
2. South America Vertical Farming Market (2018-2023)
3. Europe Vertical Farming Market (2018-2023)
4. Asia Pacific Vertical Farming Market (2018-2023)
5. Middle East and Africa Vertical Farming Market (2018-2023)
6. Hydroponics Vertical Farming Market (2018-2023)
7. Building Based Vertical Farming Market (2018-2023)
8. Lettuce Vertical Farming Market (2018-2023)
9. Solar Cells Vertical Farming Market (2018-2023)
10. Small and Medium Business Vertical Farming Market (2018-2023)

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