

Agrivoltaics Market Size, Share, and Analysis, By System Type (Dynamic Agrivoltaics Systems and Fixed Agrivoltaics Systems), By Crop (Fruits, Vegetables, Crops, and Others), By Technology (Photovoltaic (PV) Panels, Solar Thermal Systems, and Bifacial PV Panels), By Application (Crop Production, Agroforestry, and Livestock Grazing), By Region (North America, Europe, Asia-Pacific, and Rest of the World), And Regional Forecast 2024-2034

<https://marketpublishers.com/r/AC7B24CC6502EN.html>

Date: February 2025

Pages: 476

Price: US\$ 5,250.00 (Single User License)

ID: AC7B24CC6502EN

Abstracts

Agrivoltaics Market Size, Share, and Analysis, By System Type (Dynamic Agrivoltaics Systems and Fixed Agrivoltaics Systems), By Crop (Fruits, Vegetables, Crops, and Others), By Technology (Photovoltaic (PV) Panels, Solar Thermal Systems, and Bifacial PV Panels), By Application (Crop Production, Agroforestry, and Livestock Grazing), By Region (North America, Europe, Asia-Pacific, and Rest of the World), And Regional Forecast 2024-2034

PRODUCT OVERVIEW

Agrivoltaics Market is projected to exhibit a Compound Annual Growth Rate (CAGR) of 9.9% during the forecast span from 2024 to 2034. In 2023, the market size was assessed at USD 3.8 billion and is projected to reach USD 10.6 billion by the completion of 2034.

Agrivoltaics, which is also known as solar farming, involves the integration of agriculture with solar panels to maximize the usage of lands. These systems are designed to

enable the use of land for farming, raising livestock, and installing solar panels. This method improves agricultural output by decreasing water loss and possibly boosting crop yield. It helps in achieving sustainable energy objectives by generating clean power and conserving land that could have been used for solar farms or agriculture, thereby reducing the need for extra land. Besides, agrivoltaics allows farmers to expand their revenue streams and simultaneously reduce their carbon footprints to meet sustainability goals.

MARKET HIGHLIGHTS

Agrivoltaics market is expected to reach USD 10.6 billion during the forecast period, due to its dual benefits of boosting agricultural productivity and producing renewable energy. This dual use of agrivoltaics attracts farmers as well as energy providers, which leads to high adoption rates of agrivoltaics. In addition, developments in solar panel technology and farming methods have made agrivoltaics systems more efficient and convenient. Furthermore, the growth in the market is attributed to government policies and regulations that offer subsidies and tax relaxations to encourage businesses to invest in integrated systems. Besides, continuous innovation boosts growth by improving productivity and reducing costs.

Agrivoltaics Market Segments:

By System Type

Dynamic Agrivoltaics Systems

Fixed Agrivoltaics Systems

By Crop

Fruits

Vegetables

Crops

Others

By Technology

Photovoltaic (PV) Panels

Solar Thermal Systems

Bifacial PV Panels

By Application

Crop Production

Agroforestry

Livestock Grazing

MARKET DYNAMICS

Growth Drivers

Increase in Demand for Renewable Energy is Important to Boost the Adoption of Agrivoltaics

Improved Efficiency in Land Utilization Will Aid the Market

Restraint

High Installation Cost Can Limit the Growth of the Agrivoltaics Market

Key Players

BayWa AG

Insolight SA

Namaste Solar

JA Solar Holdings Co. Ltd.

Ombrea

Sun Agri

Enel Green Power

First Solar

Trina Solar Limited

Exelon Corporation

ABB Ltd.

Suzlon Energy Ltd.

Wood Group

AREVA

Hanwha Q Cells

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of

Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

Contents

1.EXECUTIVE SUMMARY

- 1.1. Regional Market Share
- 1.2. Business Trends
- 1.3. Agrivoltaics Market: COVID-19 Outbreak
- 1.4. Regional Trends
- 1.5. Segmentation Snapshot

2. RESEARCH METHODOLOGY

- 2.1. Research Objective
- 2.2. Research Approach
- 2.3. Data Sourcing and Methodology
- 2.4. Primary Research
- 2.5. Secondary Research
 - 2.5.1. Paid Sources
 - 2.5.2. Public Sources
- 2.6. Market Size Estimation and Data Triangulation

3. MARKET CHARACTERISTICS

- 3.1. Market Definition
- 3.2. Agrivoltaics Market: COVID-19 Impact
- 3.3. Key Segmentations
- 3.4. Key Developments
- 3.5. Allied Industry Data

4.AGRIVOLTAICS MARKET – INDUSTRY INSIGHTS

- 4.1. Industry Segmentation
- 4.2. COVID-19 overview of world economy
- 4.3. Industry Ecosystem Channel Analysis
- 4.4. Innovation & Sustainability

5. MACROECONOMIC INDICATORS

6. RECENT DEVELOPMENTS

7. MARKET DYNAMICS

- 7.1. Introduction
- 7.2. Growth Drivers
- 7.3. Market Opportunities
- 7.4. Market Restraints
- 7.5. Market Trends

8. RISK ANALYSIS

9. MARKET ANALYSIS

- 9.1. Porter's Five Forces
- 9.2. PEST Analysis
 - 9.2.1. Political
 - 9.2.2. Economic
 - 9.2.3. Social
 - 9.2.4. Technological

10. AGRIVOLTAICS MARKET

- 10.1. Overview
- 10.2. Historical Analysis (2018-2022)
 - 10.2.1. Market Size, Y-o-Y Growth (%) and Market Forecast

11. AGRIVOLTAICS MARKET SIZE & FORECAST 2024A-2034F

- 11.1. Overview
- 11.2. Key Findings
- 11.3. Market Segmentation
 - 11.3.1. By System Type
 - 11.3.1.1. Dynamic Agrivoltaics Systems
 - 11.3.1.1.1. By Value (USD Million) 2024A-2034F
 - 11.3.1.1.2. Market Share (%) 2024A-2034F
 - 11.3.1.1.3. Y-o-Y Growth (%) 2024A-2034F
 - 11.3.1.2. Fixed Agrivoltaics Systems
 - 11.3.1.2.1. By Value (USD Million) 2024A-2034F
 - 11.3.1.2.2. Market Share (%) 2024A-2034F

- 11.3.1.2.3.Y-o-Y Growth (%) 2024A-2034F
- 11.3.2. By Crop
 - 11.3.2.1.Fruits
 - 11.3.2.1.1. By Value (USD Million) 2024A-2034F
 - 11.3.2.1.2.Market Share (%) 2024A-2034F
 - 11.3.2.1.3.Y-o-Y Growth (%) 2024A-2034F
 - 11.3.2.2. Vegetables
 - 11.3.2.2.1.By Value (USD Million) 2024A-2034F
 - 11.3.2.2.2. Market Share (%) 2024A-2034F
 - 11.3.2.2.3. Y-o-Y Growth (%) 2024A-2034F
 - 11.3.2.3. Crops
 - 11.3.2.3.1.By Value (USD Million) 2024A-2034F
 - 11.3.2.3.2. Market Share (%) 2024A-2034F
 - 11.3.2.3.3. Y-o-Y Growth (%) 2024A-2034F
 - 11.3.2.4. Others
 - 11.3.2.4.1.By Value (USD Million) 2024A-2034F
 - 11.3.2.4.2. Market Share (%) 2024A-2034F
 - 11.3.2.4.3. Y-o-Y Growth (%) 2024A-2034F
- 11.3.3.By Technology
 - 11.3.3.1.Photovoltaic (PV) Panels
 - 11.3.3.1.1. By Value (USD Million) 2024A-2034F
 - 11.3.3.1.2.Market Share (%) 2024A-2034F
 - 11.3.3.1.3.Y-o-Y Growth (%) 2024A-2034F
 - 11.3.3.2. Solar Thermal Systems
 - 11.3.3.2.1.By Value (USD Million) 2024A-2034F
 - 11.3.3.2.2. Market Share (%) 2024A-2034F
 - 11.3.3.2.3. Y-o-Y Growth (%) 2024A-2034F
 - 11.3.3.3. Bifacial PV Panels
 - 11.3.3.3.1.By Value (USD Million) 2024A-2034F
 - 11.3.3.3.2. Market Share (%) 2024A-2034F
 - 11.3.3.3.3. Y-o-Y Growth (%) 2024A-2034F
- 11.3.4.By Application
 - 11.3.4.1.Crop Production
 - 11.3.4.1.1. By Value (USD Million) 2024A-2034F
 - 11.3.4.1.2.Market Share (%) 2024A-2034F
 - 11.3.4.1.3.Y-o-Y Growth (%) 2024A-2034F
 - 11.3.4.2. Agroforestry
 - 11.3.4.2.1.By Value (USD Million) 2024A-2034F
 - 11.3.4.2.2. Market Share (%) 2024A-2034F

- 11.3.4.2.3. Y-o-Y Growth (%) 2024A-2034F
- 11.3.4.3. Livestock Grazing
 - 11.3.4.3.1. By Value (USD Million) 2024A-2034F
 - 11.3.4.3.2. Market Share (%) 2024A-2034F
 - 11.3.4.3.3. Y-o-Y Growth (%) 2024A-2034F

12. NORTH AMERICA AGRIVOLTAICS MARKET SIZE & FORECAST 2024A-2034F

- 12.1. Overview
- 12.2. Key Findings
- 12.3. Market Segmentation
 - 12.3.1. By System Type
 - 12.3.2. By Crop
 - 12.3.3. By Technology
 - 12.3.4. By Application
- 12.4. Country
 - 12.4.1. United States
 - 12.4.2. Canada

13. EUROPE AGRIVOLTAICS MARKET SIZE & FORECAST 2024A-2034F

- 13.1. Overview
- 13.2. Key Findings
- 13.3. Market Segmentation
 - 13.3.1. By System Type
 - 13.3.2. By Crop
 - 13.3.3. By Technology
 - 13.3.4. By Application
- 13.4. Country
 - 13.4.1. Germany
 - 13.4.2. United Kingdom
 - 13.4.3. France
 - 13.4.4. Italy
 - 13.4.5. Spain
 - 13.4.6. Russia
 - 13.4.7. Rest of Europe (BENELUX, NORDIC, Hungary, Turkey & Poland)

14. ASIA-PACIFIC AGRIVOLTAICS MARKET SIZE & FORECAST 2024A-2034F

- 14.1. Overview
- 14.2. Key Findings
- 14.3. Market Segmentation
 - 14.3.1. By System Type
 - 14.3.2. By Crop
 - 14.3.3. By Technology
 - 14.3.4. By Application
- 14.4. Country
 - 14.4.1. India
 - 14.4.2. China
 - 14.4.3. South Korea
 - 14.4.4. Japan
 - 14.4.5. Rest of APAC

15. MIDDLE EAST AND AFRICA AGRIVOLTAICS MARKET SIZE & FORECAST 2024A-2034F

- 15.1. Overview
- 15.2. Key Findings
- 15.3. Market Segmentation
 - 15.3.1. By System Type
 - 15.3.2. By Crop
 - 15.3.3. By Technology
 - 15.3.4. By Application
- 15.4. Country
 - 15.4.1. Israel
 - 15.4.2. GCC
 - 15.4.3. North Africa
 - 15.4.4. South Africa
 - 15.4.5. Rest of Middle East and Africa

16. LATIN AMERICA AGRIVOLTAICS MARKET SIZE & FORECAST 2024A-2034F

- 16.1. Overview
- 16.2. Key Findings
- 16.3. Market Segmentation
 - 16.3.1. By System Type
 - 16.3.2. By Crop
 - 16.3.3. By Technology

- 16.3.4. By Application
- 16.4. Country
 - 16.4.1. Mexico
 - 16.4.2. Brazil
 - 16.4.3. Rest of Latin America

17. COMPETITIVE LANDSCAPE

- 17.1. Company market share, 2023
- 17.2. Key player overview
- 17.3. Key stakeholders

18. COMPANY PROFILES

- 18.1. BayWa AG
 - 18.1.1. Company Overview
 - 18.1.2. Financial Overview
 - 18.1.3. Key Product; Analysis
 - 18.1.4. Company Assessment
 - 18.1.4.1. Product Portfolio
 - 18.1.4.2. Key Clients
 - 18.1.4.3. Market Share
 - 18.1.4.4. Recent News & Development (Last 3 Yrs.)
- 18.2. Insolight SA
- 18.3. Namaste Solar
- 18.4. JA Solar Holdings Co. Ltd.
- 18.5. Ombrea
- 18.6. Sun Agri
- 18.7. Enel Green Power
- 18.8. First Solar
- 18.9. Trina Solar Limited
- 18.10. Exelon Corporation
- 18.11. ABB Ltd.
- 18.12. Suzlon Energy Ltd.
- 18.13. Wood Group
- 18.14. AREVA
- 18.15. Hanwha Q Cells
- 18.16. Other Prominent Players

19. APPENDIX

20. CONSULTANT RECOMMENDATION

I would like to order

Product name: Agrivoltaics Market Size, Share, and Analysis, By System Type (Dynamic Agrivoltaics Systems and Fixed Agrivoltaics Systems), By Crop (Fruits, Vegetables, Crops, and Others), By Technology (Photovoltaic (PV) Panels, Solar Thermal Systems, and Bifacial PV Panels), By Application (Crop Production, Agroforestry, and Livestock Grazing), By Region (North America, Europe, Asia-Pacific, and Rest of the World), And Regional Forecast 2024-2034

Product link: <https://marketpublishers.com/r/AC7B24CC6502EN.html>

Price: US\$ 5,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AC7B24CC6502EN.html>