

Plant Biotechnology Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

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The future of the plant biotechnology market looks promising with opportunities in soil handling, breeding, product development, yield improvement, genetic modification, and disease resistance applications. The global plant biotechnology market is expected to grow with a CAGR of 12%-14% from 2020 to 2025. The major drivers for this market are increasing demand of transgenic crops and bio fuels, growing per capita income, and rising population.

A total of XX figures / charts and XX tables are provided in this more than 150-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies researched, and other details of the global plant biotechnology market report, please download the report brochure.

In this market, hardware is the largest device type segment of plant biotechnology, whereas development of agricultural & biotechnology companies is the largest end use. Growth in various segments of the plant biotechnology market are given below:

The study includes trends and forecast for the global plant biotechnology market by equipment type, device type, crop, service, technology, application, end user, and region as follows:

By Equipment Type [Value (\$ Million) shipment analysis for 2014 – 2025]:

Incubators

Genomic Sequencer

Temperature Controllers

Sensors

Sterilizers

Centrifuges

Others

By Device Type [Value (\$ Million) shipment analysis for 2014 – 2025]:

Hardware

Lab-based

Field-based

Software

By Crop [Value (\$ Million) shipment analysis for 2014 – 2025]:

Cereals and Grains

Oilseed and Pulses

Fruits and Vegetables

Others

By Service [Value (\$ Million) shipment analysis for 2014 – 2025]:

GMO (Genetically Modified Organisms) Analysis

Cellular Imaging

Analytical Chemistry

Genomics Services

Quality Assessment

By Technology [Value (\$ Million) shipment analysis for 2014 – 2025]:

RF (Radio Frequency) Technology

Wi-Fi (Wireless Fidelity) Technology

Imaging Technology

Bluetooth Technology

Cloud-Based Technology

Others

By Application [Value (\$ Million) shipment analysis for 2014 – 2025]:

Soil Handling

Breeding

Product Development

Yield Improvement

Genetic Modification

Disease Resistance

Others

By End User [Value (\$ Million) shipment analysis for 2014 – 2025]:

Research Institutions

Pharmaceutical Industry

Agricultural Companies

Biotechnology Companies

By Region [Value (\$ Million) shipment analysis for 2014 – 2025]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

China

India

Japan

The Rest of the World

Brazil

Some of the plant biotechnology companies profiled in this report include Syngenta, Bayer, DuPont, Thermo Fisher Scientific, BASF Plant Science, Agilent Technologies, Eurofins Scientific, Illumina, The KWS Group, and Neogen.

Lucintel forecasts that hardware will remain the largest device type segment over the forecast period due to increasing lab-based research and rising use of equipment for biofuel production.

Within this market, agricultural and biotechnology companies will remain the largest end user segment over the forecast period due to increasing demand for transgenic crops & biofuel and rising demand for biotechnology to develop transgenic crops.

North America will remain the largest region over the forecast period due to presence of developed infrastructure, increasing usage of biotechnology for various crops, such as soybean and corn, and technological advancements in molecular biology & genetic engineering in the region.

Features of the Global Plant Biotechnology Market

Market Size Estimates: Global plant biotechnology market size estimation in terms of value (\$M) shipment.

Trend and Forecast Analysis: Market trends (2014-2019) and forecast (2020-2025) by various segments.

Segmentation Analysis: Global plant biotechnology market size by various segments, such as equipment type, device type, crop, service, technology, application, and end user in terms of value.

Regional Analysis: Global plant biotechnology market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different equipment type, device type, crop, service, technology, application, end user, and region for

the global plant biotechnology market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the global plant biotechnology market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

This report answers following key questions

Q.1 What are some of the most promising potential, high-growth opportunities for the global plant biotechnology market by equipment type (incubators, genomic sequencer, temperature controllers, sensors, sterilizers, centrifuges, and others), device type (hardware (lab-based and field-based) and software), crop (cereals & grains, oilseed & pulses, fruits & vegetables, and others), service (GMO analysis, cellular imaging, analytical chemistry, genomics services, and quality assessment), technology (RF technology, Wi-Fi technology, imaging technology, bluetooth technology, cloud-based technology, and others), application (soil handling, breeding, product development, yield improvement, genetic modification, disease resistance, and others), end user (research institutions, pharmaceutical industry, agricultural companies, and biotechnology companies), and region (North America, Europe, Asia Pacific, and Rest of the World)?

Q.2 Which segments will grow at a faster pace and why?

Q.3 Which region will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the global plant biotechnology market?

Q.5 What are the business risks and threats to the global plant biotechnology market?

Q.6 What are the emerging trends in this plant biotechnology market and the reasons behind them?

Q.7 What are some changing demands of customers in this plant biotechnology market?

Q.8 What are the new developments in this plant biotechnology market? Which companies are leading these developments?

Q.9 Who are the major players in this plant biotechnology market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this plant biotechnology market, and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M&A activities did take place in the last five years in the global plant

biotechnology market?

Report Scope

Key Features Description

Base Year for Estimation 2019

Trend Period

(Actual Estimates) 2014-2019

Forecast Period 2020-2025

Pages More than 150

Market Representation / Units Revenue in US \$ Million

Report Coverage Market Trends & Forecasts, Competitor Analysis, New Product Development, Company Expansion, Merger, Acquisitions & Joint Venture, and Company Profiling

Market Segments Equipment Type (Incubators, Genomic Sequencer, Temperature Controllers, Sensors, Sterilizers, etc.), Device Type (Hardware (Lab-Based and Field-Based) and Software), Crop (Cereals & Grains, Oilseed & Pulses, Fruits & Vegetables, and Others), Service (GMO Analysis, Cellular Imaging, Analytical Chemistry, Genomics Services, and Quality Assessment), Technology (RF Technology, Wi-Fi Technology, Imaging Technology, etc.), Application (Soil Handling, Breeding, Product Development, Yield Improvement, Genetic Modification, Disease Resistance, and Others), End User (Research Institutions, Pharmaceutical Industry, Agricultural Companies, and Biotechnology Companies)

Regional Scope North America (USA, Mexico, and Canada), Europe (United Kingdom, Germany, and France), Asia (China, India, and Japan), and ROW (Brazil)

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8.7: Eurofins Scientific

8.8: Illumina, Inc.

8.9: The KWS Group

8.10: Neogen Corporation

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