

Global Biodegradable plastic Market Size study & Forecast, By Product (Starch Based, PLA, PHA, PBAT, PBS), By Application (Packaging, Consumer Goods, Agriculture) and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/G648EE45E499EN.html>

Date: May 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G648EE45E499EN

Abstracts

Global Biodegradable plastic Market is valued approximately USD 4 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 9.6% over the forecast period 2022-2029. Biodegradable plastic refers to a type of plastic that is designed to break down naturally in the environment. Unlike traditional plastic, which can take hundreds or even thousands of years to decompose, biodegradable plastic is made from materials that can be broken down by bacteria, fungi, and other natural organisms. The biodegradable plastic market is influenced by several factors, including consumer demand, government regulations, technological advancements, and sustainability initiatives. However, Biodegradable plastics can be more expensive to produce than traditional plastics, which can make them less attractive to some manufacturers and consumers. Until production costs come down, biodegradable plastics may remain a niche market.

Governments around the world have implemented various policies and initiatives aimed at promoting the adoption of biodegradable plastics. The European Union has set a target to ensure that all plastic packaging used in the EU is reusable or recyclable by 2030. The EU has also introduced regulations requiring certain types of plastic products to be biodegradable or compostable. Similarly, several states in the US have implemented bans or restrictions on single-use plastics, and some have introduced initiatives to promote the use of biodegradable or compostable alternatives. In addition, the US Environmental Protection Agency has launched a Sustainable Materials Management Program that aims to reduce waste and promote sustainable practices, including the use of biodegradable plastics. Thus, growing government support for the

adoption of biobased packaging material may accelerate the market expansion.

The key regions considered for the Global Biodegradable plastic Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Europe was the largest regional market for biodegradable plastics due to growing awareness regarding plastic waste, combined with the European Union's prohibition on single-use plastics, is expected to boost the regional market throughout the forecast period. On the other side, Asia Pacific is predicted to be the fastest-growing market. Rising disposable income and improved living standards in developing countries such as China and India are expected to boost the region's market.

Major market player included in this report are:

Cargill Incorporated
PTT MCC Biochem Co., Ltd.
Biome Technologies plc
Plantic Technologies Limited
BASF SE
Total Corbion PLA
Synbra Technology BV
Futerra
Novamont SpA
NatureWorks LLC

Recent Developments in the Market:

IKEA biodegradable packaging: IKEA announced in 2020 that it would be switching to biodegradable packaging for all its products, including furniture and home goods, by 2030.

L'Oreal biodegradable shampoo bottle: L'Oreal launched a new biodegradable shampoo bottle in 2021, made from a plant-based material called Paptic, which is made from wood pulp.

Adidas Futurecraft Loop: Adidas launched the Futurecraft Loop in 2021, a running shoe made entirely from biodegradable materials, including a biodegradable TPU (thermoplastic polyurethane) midsole and outsole.

Global Biodegradable plastic Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Product, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Starch Based

Poly(lactic acid) (PLA)

Poly(butylene succinate) (PBS)

Poly (butylene adipate-co-terephthalate) (PBAT)

Poly(hydroxyalkanoates) (PHAs)

Others

By Application:

Packaging

Agriculture

Consumer Goods

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. Biodegradable plastic Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. Biodegradable plastic Market, by Product, 2019-2029 (USD Billion)
 - 1.2.3. Biodegradable plastic Market, by Application, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL BIODEGRADABLE PLASTIC MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL BIODEGRADABLE PLASTIC MARKET DYNAMICS

- 3.1. Biodegradable plastic Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing use of biodegradable plastics in packaging and agriculture
 - 3.1.1.2. Growing governmental support regarding support of recycled packaging materials
 - 3.1.2. Market Challenges
 - 3.1.2.1. High Cost of Biodegradable plastic
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Advancements in Formulation of biodegradable packaging materials
 - 3.1.3.2. High potential in emerging economies

CHAPTER 4. GLOBAL BIODEGRADABLE PLASTIC MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL BIODEGRADABLE PLASTIC MARKET, BY PRODUCT

- 6.1. Market Snapshot
- 6.2. Global Biodegradable plastic Market by Product, Performance - Potential Analysis
- 6.3. Global Biodegradable plastic Market Estimates & Forecasts by Product 2019-2029 (USD Billion)
- 6.4. Biodegradable plastic Market, Sub Segment Analysis
 - 6.4.1. Starch Based
 - 6.4.2. Polylactic acid (PLA)
 - 6.4.3. Polybutylene succinate (PBS)
 - 6.4.4. Poly (butylene adipate-co-terephthalate) (PBAT)
 - 6.4.5. Polyhydroxyalkanoates (PHAs)
 - 6.4.6. Others

CHAPTER 7. GLOBAL BIODEGRADABLE PLASTIC MARKET, BY APPLICATION

- 7.1. Market Snapshot

7.2. Global Biodegradable plastic Market by application, Performance - Potential Analysis

7.3. Global Biodegradable plastic Market Estimates & Forecasts by application 2019-2029 (USD Billion)

7.4. Biodegradable plastic Market, Sub Segment Analysis

7.4.1. Packaging

7.4.2. Agriculture

7.4.3. Consumer Goods

7.4.4. Others

CHAPTER 8. GLOBAL BIODEGRADABLE PLASTIC MARKET, REGIONAL ANALYSIS

8.1. Biodegradable plastic Market, Regional Market Snapshot

8.2. North America Biodegradable Plastic Market

8.2.1. U.S. Biodegradable plastic Market

8.2.1.1. Product breakdown estimates & forecasts, 2019-2029

8.2.1.2. Application breakdown estimates & forecasts, 2019-2029

8.2.2. Canada Biodegradable plastic Market

8.3. Europe Biodegradable plastic Market Snapshot

8.3.1. U.K. Biodegradable plastic Market

8.3.2. Germany Biodegradable plastic Market

8.3.3. France Biodegradable plastic Market

8.3.4. Spain Biodegradable plastic Market

8.3.5. Italy Biodegradable plastic Market

8.3.6. Rest of Europe Biodegradable plastic Market

8.4. Asia-Pacific Biodegradable plastic Market Snapshot

8.4.1. China Biodegradable plastic Market

8.4.2. India Biodegradable plastic Market

8.4.3. Japan Biodegradable plastic Market

8.4.4. Australia Biodegradable plastic Market

8.4.5. South Korea Biodegradable plastic Market

8.4.6. Rest of Asia Pacific Biodegradable plastic Market

8.5. Latin America Biodegradable plastic Market Snapshot

8.5.1. Brazil Biodegradable plastic Market

8.5.2. Mexico Biodegradable plastic Market

8.6. Rest of The World Biodegradable plastic Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Company Profiles
 - 9.2.1. Cargill Incorporated
 - 9.2.1.1. Key Information
 - 9.2.1.2. Overview
 - 9.2.1.3. Financial (Subject to Data Availability)
 - 9.2.1.4. Product Summary
 - 9.2.1.5. Recent Developments
 - 9.2.2. PTT MCC Biochem Co., Ltd.
 - 9.2.3. Biome Technologies plc
 - 9.2.4. Plantic Technologies Limited
 - 9.2.5. BASF SE
 - 9.2.6. Total Corbion PLA
 - 9.2.7. Synbra Technology BV
 - 9.2.8. Futerro
 - 9.2.9. Novamont SpA
 - 9.2.10. NatureWorks LLC

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global Biodegradable plastic Market, report scope
- TABLE 2. Global Biodegradable plastic Market estimates & forecasts by Region 2019-2029 (USD Billion)
- TABLE 3. Global Biodegradable plastic Market estimates & forecasts by Product 2019-2029 (USD Billion)
- TABLE 4. Global Biodegradable plastic Market estimates & forecasts by Application 2019-2029 (USD Billion)
- TABLE 5. Global Biodegradable plastic Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 6. Global Biodegradable plastic Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 7. Global Biodegradable plastic Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 8. Global Biodegradable plastic Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 9. Global Biodegradable plastic Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 10. Global Biodegradable plastic Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 11. Global Biodegradable plastic Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 12. Global Biodegradable plastic Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 13. Global Biodegradable plastic Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 14. Global Biodegradable plastic Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 15. U.S. Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 16. U.S. Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 17. U.S. Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 18. Canada Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 19. Canada Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 20. Canada Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. UK Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 22. UK Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. UK Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. Germany Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 25. Germany Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. Germany Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. France Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 28. France Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. France Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. Italy Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 31. Italy Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. Italy Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Spain Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 34. Spain Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. Spain Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. RoE Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 37. RoE Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. RoE Biodegradable plastic Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 39. China Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 40. China Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. China Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. India Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 43. India Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. India Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. Japan Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 46. Japan Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. Japan Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. South Korea Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 49. South Korea Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. South Korea Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. Australia Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 52. Australia Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. Australia Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. RoAPAC Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 55. RoAPAC Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. RoAPAC Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. Brazil Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 58. Brazil Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 59. Brazil Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Mexico Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 61. Mexico Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 62. Mexico Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. RoLA Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 64. RoLA Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 65. RoLA Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. Row Biodegradable plastic Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 67. Row Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 68. Row Biodegradable plastic Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Biodegradable plastic Market

TABLE 70. List of primary sources, used in the study of global Biodegradable plastic Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Biodegradable plastic Market, research methodology
 - FIG 2. Global Biodegradable plastic Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Biodegradable plastic Market, key trends 2021
 - FIG 5. Global Biodegradable plastic Market, growth prospects 2022-2029
 - FIG 6. Global Biodegradable plastic Market, porters 5 force model
 - FIG 7. Global Biodegradable plastic Market, pest analysis
 - FIG 8. Global Biodegradable plastic Market, value chain analysis
 - FIG 9. Global Biodegradable plastic Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global Biodegradable plastic Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global Biodegradable plastic Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global Biodegradable plastic Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global Biodegradable plastic Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global Biodegradable plastic Market, regional snapshot 2019 & 2029
 - FIG 15. North America Biodegradable plastic Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe Biodegradable plastic Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia pacific Biodegradable plastic Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America Biodegradable plastic Market 2019 & 2029 (USD Billion)
 - FIG 19. Global Biodegradable plastic Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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