

Starch-based Bioplastics Market by Type (Starch Blended with PLA, Starch Blended with PHA, and Others), Technology (Injection Molding, Blow Molding, Extrusion, and Others), Application (Rigid Packaging, Flexible Packaging, Textile, Consumer Goods, Agriculture, Automotive, Building and Construction, Electronics, and Others), and Region 2023-2028

Market Report | 2023-05-29 | 175 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$3999.00
- Five User Licence \$4999.00
- Enterprisewide License \$5999.00

Report description:

Market Overview:

The global starch-based bioplastics market size reached US\$ 1.61 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2.78 Billion by 2028, exhibiting a growth rate (CAGR) of 9.12% during 2023-2028. The significant growth in the food and beverage (F&B) industry, rising expenditure capacities of consumers, and extensive research and development (R&D) activities represent some of the key factors driving the market.

Starch-based bioplastics are a type of biodegradable plastic commonly used for packaging applications. These bioplastics are produced by combining starch with other biodegradable polymers, such as polylactic acid (PLA) or polyhydroxyalkanoates (PHA). They are extracted from various sources and then processed into a thermoplastic material that can be molded into various shapes using conventional plastic processing techniques such as extrusion, injection, and blow molding. As compared to traditional petroleum-based plastics, starch-based bioplastics are biodegradable and compostable, and environmentally friendly as they are made from renewable resources. They also are water-sensitive, have high water vapor permeability, and generally provide films with mechanical properties. As a result, they find extensive applications across the packaging, textile, consumer goods, agriculture, automotive, building and construction, and electronics industries.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Starch-based Bioplastics Market Trends:

The significant growth in the food and beverage (F&B) industry across the globe is one of the key factors creating a positive outlook for the market. Starch-based bioplastics are widely used for food packaging due to their enhanced tensile strength. In line with this, brand owners are opting for sustainable and eco-friendly options for food packaging, which in turn is favoring the market growth. Moreover, the rising environmental concerns regarding the negative environmental impact of traditional petroleum-based plastics are acting as another growth-inducing factor. Apart from this, the introduction of advanced starch-based bioplastics that exhibit better performance and properties, such as improved strength, flexibility, and heat resistance, is providing an impetus to the market growth. Additionally, the increasing product demand in the agriculture industry attributed to their water permeability and heat preservation properties is propelling the market growth. Furthermore, key players are focusing on the development of sustainable packaging solutions by making use of crops rich in starch, such as sugarcane and corn, to produce biodegradable bioplastic packaging, which in turn is positively influencing the market growth. Other factors, including the widespread product adoption in the textile industry, extensive research and development (R&D) activities, rising expenditure capacities of consumers, widespread product adoption due to its numerous advantages, increasing product application in the automotive industry, and the implementation of various government initiatives to reduce the use of single-use plastics and promote sustainable alternatives are anticipated to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global starch-based bioplastics market, along with forecasts at the global, regional, and country levels from 2023-2028. Our report has categorized the market based on type, technology, and application.

Type Insights:

- ☐ Starch Blended with PLA
- ☐ Starch Blended with PHA
- ☐ Others
- ☐

The report has provided a detailed breakup and analysis of the starch-based bioplastics market based on the type. This includes starch blended with PLA, starch blended with PHA, and others. According to the report, starch blended polylactic acid (PLA) represented the largest segment.

Technology Insights:

- ☐ Injection Molding
- ☐ Blow Molding
- ☐ Extrusion
- ☐ Others
- ☐

A detailed breakup and analysis of the starch-based bioplastics market based on the technology has also been provided in the report. This includes injection molding, blow molding, extrusion, and others. According to the report, injection molding accounted for the largest market share.

Application Insights:

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Rigid Packaging
- Flexible Packaging
- Textile
- Consumer Goods
- Agriculture
- Automotive
- Building and Construction
- Electronics
- Others
-

The report has provided a detailed breakup and analysis of the starch-based bioplastics market based on the application. This includes rigid packaging, flexible packaging, textile, consumer goods, agriculture, automotive, building and construction, electronics, and others. According to the report, rigid packaging represented the largest segment.

Regional Insights:

- North America
 -
 - United States
 - Canada
 -
 -
- Europe
 -
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
 - Russia
 - Others
 -
 -
- Asia Pacific
 -
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
 -
 -
- Latin America

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

-
- Brazil
- Mexico
- Others
-
-
- Middle East and Africa
-

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific was the largest market for starch-based bioplastics. Some of the factors driving the Asia Pacific starch-based bioplastics market included extensive research and development (R&D) activities, widespread product adoption in the textile industry, and the implementation of various government initiatives.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global starch-based bioplastics market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include BASF SE, Biome Bioplastics Limited (Biome Technologies plc), Corbion N.V., NatureWorks LLC, Novamont S.p.A., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

- How has the global starch-based bioplastics market performed so far, and how will it perform in the coming years?
- What are the drivers, restraints, and opportunities in the global starch-based bioplastics market?
- What is the impact of each driver, restraint, and opportunity on the global starch-based bioplastics market?
- What are the key regional markets?
- Which countries represent the most attractive starch-based bioplastics market?
- What is the breakup of the market based on the type?
- Which is the most attractive type in the starch-based bioplastics market?
- What is the breakup of the market based on technology?
- Which is the most attractive technology in the starch-based bioplastics market?
- What is the breakup of the market based on the application?
- Which is the most attractive application in the starch-based bioplastics market?
- What is the competitive structure of the global starch-based bioplastics market?
- Who are the key players/companies in the global starch-based bioplastics market?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 2.3.1 Primary Sources
- 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Starch-based Bioplastics Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Type
 - 6.1 Starch Blended with PLA
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Starch Blended with PHA
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3 Others
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 7 Market Breakup by Technology
 - 7.1 Injection Molding
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Blow Molding
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 Extrusion
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
 - 7.4 Others
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 8 Market Breakup by Application
 - 8.1 Rigid Packaging
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Flexible Packaging
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Textile
 - 8.3.1 Market Trends

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.3.2 Market Forecast
- 8.4 Consumer Goods
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Agriculture
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 8.6 Automotive
 - 8.6.1 Market Trends
 - 8.6.2 Market Forecast
- 8.7 Building and Construction
 - 8.7.1 Market Trends
 - 8.7.2 Market Forecast
- 8.8 Electronics
 - 8.8.1 Market Trends
 - 8.8.2 Market Forecast
- 8.9 Others
 - 8.9.1 Market Trends
 - 8.9.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
 - 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.2.7.1 Market Trends
- 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 Drivers, Restraints, and Opportunities
 - 10.1 Overview
 - 10.2 Drivers
 - 10.3 Restraints
 - 10.4 Opportunities
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 Price Analysis

14 Competitive Landscape

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 BASF SE

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.1.3 Financials

14.3.1.4 SWOT Analysis

14.3.2 Biome Bioplastics Limited (Biome Technologies plc)

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.3 Corbion N.V.

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.3.3 Financials

14.3.4 NatureWorks LLC

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.5 Novamont S.p.A.

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Starch-based Bioplastics Market by Type (Starch Blended with PLA, Starch Blended with PHA, and Others), Technology (Injection Molding, Blow Molding, Extrusion, and Others), Application (Rigid Packaging, Flexible Packaging, Textile, Consumer Goods, Agriculture, Automotive, Building and Construction, Electronics, and Others), and Region 2023-2028

Market Report | 2023-05-29 | 175 pages | IMARC Group

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$3999.00
	Five User Licence	\$4999.00
	Enterprisewide License	\$5999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-18"/>
		Signature	<input type="text"/>