

# **North America Bioplastics and Biopolymers Market Forecast to 2030 – Regional Analysis – by Product Type (Polyethylene, Polyethylene Terephthalate, Polylactic Acid, Polytrimethylene Terephthalate, Polybutylene Adipate Terephthalate, Polybutylene Succinate, Cellulose, Blends, and Others) and End-Use Industry (Packaging, Consumer Goods, Automotive, Textile, Building and Construction, Medical, Agriculture, and Others)**

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## **Abstracts**

The North America bioplastics and biopolymers market is expected to grow from US\$ 1,513.09 million in 2023 to US\$ 3,040.20 million by 2030. It is estimated to grow at a CAGR of 10.5% from 2023 to 2030.

**Increasing Regulations and Policies Against Traditional Plastic Fuel North America Bioplastics and Biopolymers Market**

Government regulations and policies have shaped the bioplastics and biopolymers market. Recognizing the environmental impact of conventional plastics, many governments worldwide have implemented stringent measures to promote the production and use of sustainable alternatives. Several countries have introduced bans or restrictions on single-use plastics, such as plastic bags, straws, and cutlery. These policies aim to reduce plastic waste and encourage the adoption of bioplastics and biopolymers that are biodegradable and have a lower environmental footprint. In addition to bans, governments offer various incentives such as tax breaks, subsidies, grants, and research funding, as well as support mechanisms to promote the growth of the bioplastics industry. These incentives help reduce the cost of bioplastics, making them more competitive with conventional plastics. Thus, all these benefits have

encouraged companies operating in the market to invest in research and development, scale up production, and bring innovative bioplastic products to the market.

Governments are increasingly incorporating sustainability criteria into public procurement policies by prioritizing the use of biobased materials, including bioplastics and biopolymers, in government-funded projects, thus creating a significant demand for these materials. Further, regulatory frameworks are being established to ensure the quality and safety standards of bioplastics. Governments collaborate with industry associations and regulatory bodies to establish certification systems and standards for biodegradability, compostability, and environmental performance. These standards guarantee consumers, businesses, and industries that the plastics they use meet a certain criteria, fostering market growth.

#### North America Bioplastics and Biopolymers Market Overview

The US, Canada, and Mexico are the key economies in North America. In North America, bioplastics and biopolymers are widely consumed in the packaging sector in the form of plastic bottles and bags. Production and consumption of bioplastics and biopolymers are expected to grow in the region, primarily in food packaging applications. Unlike traditional plastics, bioplastics, and biopolymers are obtained from renewable sources. First-generation bioplastics are obtained from starches or sugars, such as corn, wheat, sugarcane, or soy. Second-generation bioplastics use cellulose from crops or industrial processes as raw materials, including sugarcane bagasse or sawdust, and other industrial residues, such as whey.

Other end-use industries for bioplastics and biopolymers include consumer products, automotive, agriculture, textiles, building & construction, and pharmaceuticals. The growth of these end-use industries is further driving the bioplastics and biopolymers market in North America. The construction industry in North America is expanding tremendously due to a strong economy, combined with an increase in federal and state funding for public works and institutional buildings. Further, the higher demand for and production of large engine capacity vehicles, such as extended cabs, in this region is bolstering the market growth. The automotive market is inclined toward light trucks and SUVs in this region owing to their better traction in changing weather conditions and off-road capabilities. Light commercial vehicle (LCV) production is also increasing in North America. The automotive industry in this region is one of the most advanced industries globally due to substantial investments in infrastructure, R&D activities, and new production facilities. Bio-polyamides (Bio-PA), polylactic acid (PLA), and bio-based polypropylene (Bio-PP) are bioplastics used in automotive manufacturing. These factors are driving the bioplastics and biopolymers market growth.

#### North America Bioplastics and Biopolymers Market Revenue and Forecast to 2030 (US\$ Million)

## North America Bioplastics and Biopolymers Market Segmentation

The North America bioplastics and biopolymers market is segmented into product type , end-use industry, and country.

Based on product type, the North America bioplastics and biopolymers market is segmented into polyethylene, polyethylene terephthalate, polylactic acid, polytrimethylene terephthalate, polybutylene adipate terephthalate, polybutylene succinate, cellulose, blends, and others. The blends segment accounted the largest share of the North America bioplastics and biopolymers market in 2023.

Based on end-use industry, the North America bioplastics and biopolymers market is divided into packaging, consumer goods, automotive, textile, building and construction, medical, agriculture, and others. The packaging segment held the largest share of the North America bioplastics and biopolymers market in 2023.

Based on country, the North America bioplastics and biopolymers market is segmented into the US, Canada, and Mexico. The US dominated the North America bioplastics and biopolymers market in 2023.

Arkema SA, BASF SE, Braskem SA, Cardia Bioplastics Australia Pty Ltd, Corbion NV, Eastman Chemical Co, Mitsubishi Chemical Holdings Corp, Mitsui Chemicals Inc, Novamont SpA, and Saudi Basic Industries Corp are some of the leading companies operating in the North America bioplastics and biopolymers market.

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