Bioplastics – A Global Market Overview

“The report reviews, analyzes and projects the global market for Bioplastics for the period 2014-2022. Global markets for bioplastics types/sub-types analyzed in this study include Biodegradable (Polylactic Acid (PLA), Polyhydroxyalkanoates (PHA), Starch Blends, and Others) and Non-Biodegradable (Polyethylene (PE), Polyethylene Terephthalate (PET), Polyamide (PA) and Others). The report explores the major applications of bioplastics comprising Packaging, Textiles, Consumer Goods, Automotive & Transport, Agriculture & Horticulture, Building & Construction, Electrics & Electronics and Others.”

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Report Synopsis

Bioplastics industry is in emerging phase, though being in existence for about a decade or more. Bioplastics are used in an increasing number of markets, from packaging, catering products, consumer electronics, automotive, agriculture/horticulture and toys to textiles and a number of other segments. Bioplastics can be produced from renewable resources, as well as synthetic polymers and not all bioplastics are bio-based. Bioplastics can encompass a complete group of materials that can be biobased, biodegradable, or both.

Asia-Pacific accounts the largest regional market for biodegradable bioplastics with an estimated 351.8 thousand metric tons in 2017 (40.4% share), reaching 565 thousand metric tons in 2022. Asia-Pacific is also anticipated the fastest growing regional market with a robust CAGR of 9.9% during 2017-2022 period. Europe is estimated the second largest regional biodegradable bioplastics market with 31.8% share 2017.

Product Outline

The report analyzes the market for the key types/sub-types of Bioplastics including:

- Biodegradable
  - Polylactic Acid (PLA)
  - Polyhydroxyalkanoates (PHA)
  - Starch Blends
  - Others
- Non-Biodegradable
  - Polyethylene (PE)
  - Polyethylene Terephthalate (PET)
  - Polyamide (PA)
  - Others

Application sectors of Bioplastics analyzed comprise the following:

- Packaging
- Textiles
- Consumer Goods
- Automotive & Transport
- Agriculture & Horticulture
- Building & Construction
- Electrics & Electronics
- Others

Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global Bioplastics market for the period 2014-2022 in terms of market volume in metric tons and the compound annual growth rates (CAGRs) projected from 2017 through 2022

Geographic Coverage

- North America (The United States, Canada and Mexico)
- Europe (Germany, France, Italy, The United Kingdom and Rest of Europe)
- Asia-Pacific (China, Japan, South Korea, India and Rest of Asia-Pacific)
- South America (Brazil, Argentina and Rest of South America)
- Rest of World
SAMPLE COMPANY PROFILE

ARCHER-DANIELS-MIDLAND COMPANY
77 West Wacker Drive, Suite 4600, Chicago
Illinois 60601, United States
Phone: 312-634-8100
Website: www.adm.com

Business Overview

Established in 1902, Archer-Daniels-Midland Company (ADM) is one of the world’s largest agricultural processors and food ingredient providers across 170 countries. The company is a leader in natural-source, high-performance oils used for a broad range of industrial applications including lubricants, rubber, asphalt, oilfield, mining, personal care, polymers, coatings, adhesives and many others. The company’s oils use hydrogenation, polymerization and specialty blends to enhance individual oil performance. ADM offers heat-polymerized and blown soybean, canola, and rapeseed oils with a wide range of viscosities. The company’s linseed oils, soybean oils and copolymer oils are key components in paints and coatings, printers’ inks, resins and candles. ADM serves its customers across 170 countries with 31,000 employees, 500 crop procurement locations, 270 ingredient manufacturing facilities, 44 innovation centers and the world’s premier crop transportation network.

Business Segments

Agricultural Services

The Agricultural Services business segment utilizes its extensive global grain elevator and transportation networks, and port operations to buy, store, clean, and transport agricultural commodities, such as oilseeds, corn, wheat, milo, oats, rice, and barley, and resells these commodities primarily as food and feed ingredients and as raw materials for the agricultural processing industry. The Agricultural Services segment includes international agricultural commodities merchandising and handling activities managed through a global trade desk based in Rolle, Switzerland. Agricultural Services’ grain sourcing, handling, and transportation network provides reliable and efficient services to the company’s customers and agricultural processing operations. Agricultural Services’ transportation network capabilities include barge, ocean-going vessel, truck, rail, and container freight services. The Agricultural Services segment also includes the activities related to structured trade finance and the processing of wheat into wheat flour.

Corn Processing

ADM’s Corn Processing segment is engaged in corn wet milling and dry milling activities, utilizing its asset base primarily located in the central part of the United States with additional facilities in China, Bulgaria, Morocco, and Turkey. The Corn Processing segment converts corn into sweeteners, starches, and bioproducts. The products of the segment include ingredients that are used in the food and beverage industry including sweeteners, starch, syrup, glucose, and dextrose. Dextrose and starch are used by the Corn Processing segment as feedstocks for its bioproducts operations. By fermentation of dextrose, the Corn Processing segment produces alcohol, amino acids, and other food and animal feed ingredients.
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