

Global Markets and Technologies for Bioplastics

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Abstracts

Report Scope:

This report will cover the bioplastics industry. Definitive and detailed estimates and forecasts of the global market are provided, followed by a detailed analysis of the regions, applications, and on-going trends.

The focus of this report is on plastics made from renewable resources such as biomass or food crops. There is also some potential development of bioplastics from animal resources. Plastics that could be produced from waste CO2 are also reviewed because of their potential impact on bioplastics, but their data are not included in the forecasts presented here. Bioplastics are further defined here as polymer materials that are produced by chemically or biologically synthesizing materials that contain renewable organic materials. Natural organic materials that are not chemically modified (e.g., wood composites are excluded). The report includes the use of renewable resources to create monomers that replace petroleum-based monomers such as feedstocks produced from sugarcane that are used to manufacture polyester and polyethylene. Ethanol, a major product in Brazil, is one small chemical step from ethylene.

This report covers the technological, economic, and business considerations of the bioplastics industry, with analyses and forecasts provided for global markets. Included in the report are descriptions of market forces relevant to the bioplastics industry and their areas of application.

The report focuses on the following resin chemistries -

Polylactic acid.

Thermoplastic starch.



Biopolyamides (nylons).	
Polyhydroxyalkanoates.	
Biopolyols/polyurethane.	
Cellulosics.	
Biopolytrimethylene terephthalate.	
Biopolyethylene.	
Biopolyethylene terephthalate.	
Polybutylene succinate.	

Biodegradable and photodegradable polymers made from petrochemical feedstocks are not included. Other renewable resin chemistries such as collagen and chitosan are covered but in less detail as their roles are not well developed.

This report considers the impact of COVID-19. In 2020, the growth rate of manufacturing industry around the world was severely affected by the pandemic. The presently developing COVID-19 pandemic has currently shrunken the progress of every economy. In addition to taking measures to lock down their respective countries to contain the spread of the coronavirus, especially in affected cities, various governments around the world are also taking the measures necessary to contain the economic slowdown.

Estimated values used are based on manufacturers' total revenues. Projected and forecasted revenue values are in constant U.S. dollars (2020) unadjusted for inflation.

Report Includes:

45 data tables and 72 additional tables

An updated review of the global market for bioplastics and related technologies



Analyses of the global market trends, with data from 2020, estimates for 2021 and projections of compound annual growth rates (CAGRs) through 2026

Evaluation and forecast the overall bioplastics market size in value and volumetric terms, and corresponding market share analysis by product, application, technology and region

Highlights of emerging technology trends, opportunities and gaps estimating current and future demand for bioplastic materials, and impact of COVID-19 on the progress of this market

Identification of the companies best positioned to meet this demand owing to their proprietary technologies, new product launches, and other strategic alliances

Discussion of industry value chain analysis, demand-supply gap, and factors driving the growth of market for polymer materials

Updated list of mergers, acquisitions, product launch, divestiture, achievements taken place in recent years

Competitive landscape of the major players operating within the bioplastics market, and their global rankings and company share analysis

Detailed description of updated company profiles along with latest developments and strategies, including Avient Corp., BASF, Danimer Scientific, Dow Inc., JSR Corp., Teijin Ltd. and Toray Industries Inc.



Contents

CHAPTER 1 INTRODUCTION

Overview

Study Goals and Objectives

Reasons for Doing This Study

What's New in This Report?

Scope of Report

Target Audience of the Study

Information Sources

Methodology

Geographic Breakdown

Analyst's Credentials

BCC Custom Research

Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

Bioplastics Overview

CHAPTER 3 THE BIOPLASTICS INDUSTRY

Industry Landscape

History of Bioplastics

Recent Developments

Pros and Cons of Bioplastics

Overview

Case for Bioplastics

The Case Against Bioplastics

Market Dynamics

Drivers

Restraints

Environmental Impact of Plastics

Legislative Drivers for Bioplastics

Packaging Regulations

The Landfill Directive, Landfill Tax (LAX) and the Landfill Allowance Trading Scheme (LATS)

The Plastics Export "Green-List"

Global Markets and Technologies for Bioplastics



Impact Factors on Bioplastic Demand

Macroeconomic Factors

Technological Factors

Social Factors

Impact of COVID-19

Pricing Analysis

CHAPTER 4 BIOPLASTICS BY TYPE OF RESIN

Overview

Polylactic Acid Polymers

Chemistry

Producers

Production

Properties

Processing

Modifications

Applications

Compounding

Environmental Issues

Selling Prices

Developments of Technologies, Markets and Production

Starch-Based Plastics

Chemistry

Producers

Production

Processing

Environmental Issues

Applications

Compounding

Developments

Polyhydroxyalkanoates

Chemistry

Producers

Production

Properties

Processing

Environmental Issues

Applications



Substitution Potential

Compounding

Selling Prices

Polybutylene Succinate-Type Polyesters

Chemistry

Producers

Production

Properties

Processing

Applications

Bio-Based Polyamides

Chemistry

Producers

Production

Properties

Processing

Applications

Environmental Aspects

Developments

Polytrimethylene Terephthalate-Type Polyesters

Chemistry

Producer

Production

Regional Market

Properties

Applications

Environmental Issues

Developments

Bio-Based Polyurethane

Chemistry

Producers

Production

Properties

Applications

Environmental Issues

Developments

Cellulosic

Chemistry

Producers



Production

Properties

Applications

Environmental Issues

Developments

Other Types of Bioplastics

Bio-Based Bottle-Grade Polyester

Bio-Based Polyethylene

Elastomers

Aliphatic Polyethylene Carbonate

Global Demand

Animal-Based Feedstocks

Cardanol-Cellulose

Neat Cardanol

CHAPTER 5 GLOBAL OUTLOOK FOR BIOPLASTICS

Overview

Global Market of Polylactic Acid (PLA)

Global Market of Starch Plastics

Global Market of Polybutylene Succinate (PBS)

Land Use Share for Bioplastics

Market Trends in Biopolymer Films

Applicability

CHAPTER 6 GLOBAL OUTLOOK FOR BIOPLASTIC TEXTILE MARKET

Business Overview

Market Breakdown, by Source

Sugarcane

Beet

Corn Starch

Cassava

Market Breakdown, by Material

Polylactic Acid (PLA)

Polyhydroxyalkanoates (PHA)

Polyhydroxybutyrate (PHB)

Bio-Polyester

Bio Polyamide



Market Breakdown, by End User

Home Textiles

Clothing

Footwear

Market Breakdown, by Region

North America

Europe

Asia-Pacific

Latin America

Middle East and Africa

Value Chain Analysis

Raw Material Analysis

Value Addition

Distribution Channel Analysis

Future Trends

Growth Drivers

Environmentally Friendly Properties of Bioplastics

Favorable Government Policies for Bioplastics

Renewable Raw Material Sources

Restraints

High Cost to Consumers

Company Market Share Analysis

CHAPTER 7 AMERICAS BIOPLASTICS MARKET

U.S.

Total Plastics

Bioplastics

Major Producers

Types of Bioplastics

Applications

Brazil

Total Plastics

Bioplastics

Major Producers

Types of Bioplastics

Applications

Elsewhere in the Americas

Canada



CHAPTER 8 EUROPEAN BIOPLASTICS MARKET

Germany

Total Plastics

Bioplastics

Major Producers

Types of Bioplastics

Applications

Italy

Total Plastics

Bioplastics

Major Producers

Types of Bioplastics

Applications

Elsewhere in Europe

France

The Netherlands

The United Kingdom

CHAPTER 9 ASIAN BIOPLASTICS MARKET

China

Total Plastics

Bioplastics

Major Producers

Bioplastic Types

Applications

Japan

Total Plastics

Bioplastics

Major Producers

Bioplastic Types

Applications

Elsewhere in Asia

CHAPTER 10 BIOPLASTICS PROCESSING TECHNOLOGIES

Extrusion



Compounding

Starch Polymers

PLA and PHA

Blends with Oil-Based Plastics

Pelletizing

Foaming

Storage and Drying

Use of Regrind

Cast Film

Thermoforming

Injection Molding

CHAPTER 11 APPLICATIONS

Overview

Packaging

Market Forecast

Snack Food

Shopping Bags

Bottles

Thermoformed Trays

Loose-Fill Packaging

Cups and Utensils

Foam Packaging

Rigid Packaging

Developments

Automotive

Market Forecast

Interior

Fuel Components

Exterior

Developments

Agriculture

Medical

Market Forecast

Disposable Devices

Orthopedic Fixation Devices

Drug Delivery

Hydrogels



Microspheres

Tissue Engineering

Stents

Hygienic Products

Medical Packaging

Other Medical Applications

Aircraft

Electrical/Electronics

Liquid-Crystal Displays

Conductive Plastics

Sporting Goods

Photovoltaics

CHAPTER 12 ISSUES FACING BIOPLASTICS

Environmental Issues

Composting

Recyclability

Food Supply Issue

Carbon Footprint

Government Involvement

CHAPTER 13 STANDARDS AND CERTIFICATIONS

Bio-Based

ASTM D6866

PD CEN/TR 15932:2010

Biodegradability

EN 13432, ASTM D6400 AND ISO 17088

CHAPTER 14 COMPETITIVE LANDSCAPE

Company Market Share Analysis
Major Acquisitions and New Product Developments

CHAPTER 15 COMPANY PROFILES

ALGIX ARKEMA



AVANTIUM

AVIENT CORP. (POLYONE)

BASF

BIOAMBER

BIOLOG BIOTECHNOLOGIE UND LOGISTIK GMBH

BIOLOGIQ INC.

BIOME TECHNOLOGIES

BIOMER

BIOTEC BIOLOGISCHE NATURVERPACKUNGEN GMBH & CO.

BRASKEM

CARDIA BIOPLASTICS

CARGILL

CORBION

DANIMER SCIENTIFIC

DOW PLASTICS

DUPONT

DUPONT TATE & LYLE BIO PRODUCTS

DSM

DURECT CORP.

EASTMAN CHEMICAL CO.

FABRI-KAL

FKUR PLASTICS CORP.

FUTAMURA CHEMICAL CO., LTD.

GREEN DAY ECO-FRIENDLY MATERIAL CO.

GREEN SCIENCE ALLIANCE CO., LTD.

HUHTAMAKI

INNOVIA FILMS

JAPAN CORN STARCH CO.

JSR CORP.

KANEKA

KINGFA

NATUREWORKS

NOVAMONT S.P.A.

PLANTIC TECHNOLOGIES LTD.

PLAXICA

RHEIN CHEMIE ADDITIVES

RODENBURG BIOPOLYMERS BV

RTP CO.

SOLANYL BIOPOLYMERS



SYNBRA TECHNOLOGY
TATE & LYLE PLC
TEKNOR APEX
TEIJIN
TIANAN BIOLOGIC MATERIAL CO., LTD.
TIANJIN GREEN BIO-SCIENCE CO., LTD.
TORAY
URETHANE SOY SYSTEMS CO.
VIRENT ENERGY SYSTEMS
WUHAN HUALI ENVIRONMENTAL TECHNOLOGY CO.
YIELD10 BIOSCIENCE (METABOLIX)
ZEA2 (ZEACHEM INC.)
ZHANGJIAGANG GLORY BIOMATERIAL CO., LTD.
ZHEJIANG HISUN BIOMATERIALS CO.

CHAPTER 16 LEADING BIOPLASTICS TRADE GROUPS

JAPAN BIOPLASTICS ASSOCIATION (JBPA) EUROPEAN BIOPLASTICS

CHAPTER 17 APPENDIX A: ACRONYMS

CHAPTER 18 APPENDIX B: SELECTED GLOSSARY OF TERMS



List Of Tables

LIST OF TABLES

Summary Table: Global Market Volume for Bioplastics, by Region, Through 2026

Table 1: Internal and External Factors Encouraging the Growth in Bioplastics

Table 2: Bioplastic Material Prices

Table 3: List of Bio-Based Polymers and Overview of their Production

Table 4: Global PLA Suppliers

Table 5: Global Market Volume for PLA, by Region, Through 2026

Table 6: Global Market Volume for PLA, by Application, Through 2026

Table 7: Global Starch Polymer Producers

Table 8: Global Market Volume for Starch-Based Plastics, by Region, Through 2026

Table 9: Products Made from Starch Polymers

Table 10: Global Market Volume for Starch-Based Plastics, by Application, Through 2026

Table 11: Global PHA Suppliers

Table 12: Global Market Volume for PHA, by Region, Through 2026

Table 13: Global Market Volume for PHA, by Application, Through 2026

Table 14: Global Suppliers of Bio PBS

Table 15: Global Market Volume for PBS, by Region, Through 2026

Table 16: Global Market Volume for PBS, by Application, Through 2026

Table 17: Global Biopolyamide Suppliers

Table 18: Global Market Volume for Biopolyamides, by Region, Through 2026

Table 19: Global Market Volume for Biopolyamides, by Application, Through 2026

Table 20: Global Suppliers of PTT-Type Polyesters

Table 21: Global Market Volume for Bio-PTT, by Region, Through 2026

Table 22: Global Market Volume for Bio-PTT, by Application, Through 2026

Table 23: Global Biopolyol Suppliers

Table 24: Global Market Volume for Biopolyols, by Region, Through 2026

Table 25: Global Market Volume for Biopolyols, by Application, Through 2026

Table 26: Global Suppliers of Cellulose Plastic

Table 27: Global Market Volume for Cellulosic Plastics, by Region, Through 2026

Table 28: Global Market Volume for Cellulosic Plastics, by Application, Through 2026

Table 29: Global Market Volume for Other Types of Bioplastics, by Resin Type, Through 2026

Table 30: Global Market Volume for Other Types of Bioplastics, by Application, Through 2026

Table 31: Global Market Volume for Other Types of Bioplastics, by Region, Through



2026

- Table 32: Global Market Volume for Bioplastics, by Resin Type, Through 2026
- Table 33: Global Market Volume for PLA, by Region/Country, Through 2026
- Table 34: Global Market Volume for Starch-Based Plastics, by Region/Country, Through 2026
- Table 35: Global Market Volume for Bioplastic Textile, by Source, Through 2026
- Table 36: Global Market Volume for Bioplastic Textile, by Material, Through 2026
- Table 37: Global Market Volume for Bioplastic Textile, by End User, Through 2026
- Table 38: Global Market Volume for Bioplastic Textile, by Region, Through 2026
- Table 39: Major Bioplastics Producers in the U.S.
- Table 40: U.S. Market Volume for Bioplastics, by Resin Type, Through 2026
- Table 41: U.S. Market Volume for Bioplastics, by Application, Through 2026
- Table 42: Major Bioplastics Producers in Brazil
- Table 43: Brazilian Market Volume for Bioplastics, by Resin Type, Through 2026
- Table 44: Brazilian Market Volume for Bioplastics, by Application, Through 2026
- Table 45: Major Bioplastics Producers in Germany
- Table 46: German Market Volume for Bioplastics, by Resin Type, Through 2026
- Table 47: German Market Volume for Bioplastics, by Application, Through 2026
- Table 48: Major Bioplastics Producers in Italy
- Table 49: Italian Market Volume for Bioplastics, by Resin Type, Through 2026
- Table 50: Italian Market Volume for Bioplastics, by Application, Through 2026
- Table 51: Major Bioplastics Producers in China
- Table 52: Chinese Market Volume for Bioplastics, by Resin Type, Through 2026
- Table 53: Chinese Market Volume for Bioplastics, by Application, Through 2026
- Table 54: Major Bioplastics Producers in Japan
- Table 55: Japanese Market Volume for Bioplastics, by Resin Type, Through 2026
- Table 56: Japanese Market Volume for Bioplastics, by Application, Through 2026
- Table 57: Examples of Bioplastics Equipment Specialists
- Table 58: Summary of the Main Characteristics of Bio-Based Materials for Packaging and Textile Applications
- Table 59: Suitability of Bio-Based Plastics for Different Types of Applications
- Table 60: Global Market Volume for Bioplastics, by Application, Through 2026
- Table 61: Global Market Volume for Bioplastics Used in Packaging Applications, by
- Segment, Through 2026
- Table 62: Global Market Volume for Bioplastics Used in Automotive and Transportation
- Applications, by Segment, Through 2026
- Table 63: Global Market Volume for Bioplastics Used in Medical Applications, by
- Segment, Through 2026
- Table 64: Standards for Bioplastics



Table 65: Associations and Institutions

Table 66: Key Merger and Acquisition Deals in the Bioplastics Industry

Table 67: Arkema S.A.: Company Financial Highlights, 2018-2020

Table 68: Arkema S.A., by Regional Segment

Table 69: Avantium: Company Financial Highlights, 2018-2020

Table 70: Avantium: Patents and Patent Applications, by Business Segment, 2020

Table 71: Avantium: Product Portfolio

Table 72: Avient Corp.: Financial Highlights, 2018-2020

Table 73: Avient Corp.: Product Portfolio

Table 74: BASF: Company Financial Highlights, 2018-2020

Table 75: BASF: Product Portfolio

Table 76: BioLogiQ: Product Portfolio

Table 77: Biome Technologies: Company Financial Highlights, 2018-2020

Table 78: Biome's Bioplastics: Product Portfolio

Table 79: Biomer: Product Portfolio

Table 80: BIOTEC: Product Portfolio

Table 81: Braskem: Company Financial Highlights, 2018-2020

Table 82: Cardia Bioplastics: Product Portfolio

Table 83: Corbion: Company Financial Highlights, 2018-2020

Table 84: Danimer Scientific: Company Financial Highlights, 2019-2020

Table 85: Danimer Scientific: Product Portfolio

Table 86: Dow Inc.: Company Financial Highlights, 2018-2020

Table 87: DuPont: Company Financial Highlights, 2018-2020

Table 88: DuPont Tate & Lyle Bio Products: Product Portfolio

Table 89: Koninklijke DSM N.V.: Company Financial Highlights, 2018-2020

Table 90: Durect Corp.: Company Financial Highlights, 2018-2020

Table 91: Eastman Chemical Co.: Company Financial Highlights, 2018-2020

Table 92: FKuR Plastics Corp.: Product Portfolio

Table 93: Futamura Chemical: Product Portfolio

Table 94: Green Day: Product Portfolio

Table 95: Huhtamaki Oyj: Company Financial Highlights

Table 96: JSR Corp.: Company Financial Highlights, 2018-2020

Table 97: Kaneka.: Company Financial Highlights, 2018-2020

Table 98: Kaneka: Product Portfolio

Table 99: Kingfa.: Company Financial Highlights, 2018-2020

Table 100: NatureWorks: Product Portfolio

Table 101: Novamont: Product Portfolio

Table 102: Plantic Technologies Ltd.: Product Portfolio

Table 103: Rodenburg: Product Portfolio



Table 104: RTP Co.: Product Portfolio

Table 105: RTP Co. Comparison of 30% Glass Fiber Reinforced Compounds

Table 106: Tate & Lyle: Company Financial Highlights, 2018-2020

Table 107: Teijin Ltd.: Company Financial Highlights, 2018-2020

Table 108: Teijin Ltd.: Product Portfolio

Table 109: Teijin Ltd.: SWOT in Plastic Processing Segment

Table 110: Tianan Biologic Material Co., Ltd.: Product Portfolio

Table 111: Toray Industries Inc.: Company Financial Highlights, 2018-2020

Table 112: Virent Energy Systems: Product Portfolio

Table 113: Yield10 Bioscience: Company Financial Highlights, 2018-2020

Table 114: Zhejiang Hisun Biomaterials Co.: Product Portfolio

Table 115: Abbreviations Used in This Report

Table 116: Glossary



List Of Figures

LIST OF FIGURES

Figure A: Bioplastics Advantages

Figure B: Data Source

Summary Figure: Global Market Volume for Bioplastics, by Region, 2020-2026

Figure 1: Bioplastic Segments Figure 2: Bioplastic Materials

Figure 3: Green Polyethylene Lifecycle

Figure 4: End of Life Options for Bioplastics

Figure 5: Ski Boot Using Rilsan or Nylon

Figure 6: Life Cycle Model of Biodegradable Plastics

Figure 7: Market Dynamics

Figure 8: Asia-Pacific Market Volume Trends in Flexible Packaging, 2013-2024

Figure 9: Global Pharmaceutical Sales, by Region, 2018

Figure 10: Impact of COVID-19

Figure 11: Manufacturing of Lactic Acid from Maize Dextrose

Figure 12: Manufacture of PLA from Lactic Acid

Figure 13: Global Market Volume Shares of PLA, by Region, 2020

Figure 14: Global Market Volume Shares of PLA, by Application, 2020

Figure 15: Wheat Starch Extraction

Figure 16: Global Market Volume Shares of Starch-Based Plastics, by Region, 2020

Figure 17: Global Market Volume Shares of Starch-Based Plastics, by Application, 2020

Figure 18: Global Market Volume Shares of PHA, by Region, 2020

Figure 19: Global Market Volume Shares of PHA, by Application, 2020

Figure 20: Global Market Volume Shares of PBS, by Region, 2020

Figure 21: Global Market Volume Shares of PBS, by Application, 2020

Figure 22: Global Market Volume Shares of Biopolyamides, by Region, 2020

Figure 23: Global Market Volume Shares of Biopolyamides, by Application, 2020

Figure 24: Global Market Volume Shares of Bio-PTT, by Region, 2020

Figure 25: Global Market Volume Shares of Bio-PTT, by Application, 2020

Figure 26: Global Market Volume Shares of Biopolyols, by Region, 2020

Figure 27: Global Market Volume Shares of Biopolyols, by Application, 2020

Figure 28: Global Market Volume Shares of Cellulosic Plastics, by Region, 2020

Figure 29: Global Market Volume Shares of Cellulosic Plastics, by Application, 2020

Figure 30: Global Market Volume Shares of Other Types of Bioplastics, by Resin Type,

2020

Figure 31: Global Market Volume Shares of Other Types of Bioplastics, by Application,



2020

Figure 32: Global Market Volume Shares of Other Types of Bioplastics, by Region, 2020

Figure 33: Global Market Volume Shares of Bioplastics, by Region, 2020-2026

Figure 34: Land Area Use Estimation of Bioplastics, 2020 and 2025

Figure 35: Global Market Volume for Bioplastic Textiles, 2020-2026

Figure 36: Global Market Volume Shares of Bioplastic Textile, by Source, 2020

Figure 37: Renewable Feedstocks

Figure 38: Global Market Volume Shares of Bioplastic Textile, by Material, 2020

Figure 39: Global Market Volume Shares of Bioplastic Textile, by End User, 2020

Figure 40: Bioplastic Textiles for Clothing, Footwear and Home Textile

Figure 41: Global Market Volume Shares of Bioplastic Textile, by Region, 2020

Figure 42: Bioplastics Textile Market, Industry Value Chain

Figure 43: Market Dynamics

Figure 44: Co2 Emissions for Different Polymers

Figure 45: Global Market Volume Shares of Bioplastics, by Company, 2020

Figure 46: U.S. Market Volume Shares of Bioplastics, by Resin Type, 2020

Figure 47: Brazilian Market Volume Shares of Bioplastics, by Resin Type, 2020

Figure 48: German Market Volume Shares of Bioplastics, by Resin Type, 2020

Figure 49: Share of Bioplastics Applications in Different Sectors of the European

Economy, 2020

Figure 50: Italian Bioplastics Market Shares, by resin type 2020

Figure 51: Chinese Market Volume Shares of Bioplastics, by Resin Type, 2020

Figure 52: Chinese Market Volume Shares of Bioplastics, by Application, 2020

Figure 53: Value Chain of Bio-PET Production

Figure 54: Japanese Market Volume Shares of Bioplastics, by Resin Type, 2020

Figure 55: Japanese Market Volume Shares of Bioplastics, by Application, 2020

Figure 56: Bioplastic Conversion Process

Figure 57: Thermoforming Process

Figure 58: Global Market Volume Shares of Bioplastics in Packaging Applications, by

Segment, 2020

Figure 59: Range of Packaging Options Made from Biodegradable Plastics

Figure 60: Global Market Volume Shares of Bioplastics Used in Packaging Applications,

by Segment, 2020

Figure 61: Schematic Illustration of an Ideal Cycle of Bio-Based Material Used for

Packaging Application

Figure 62: Different Types of Biodegradable Bags

Figure 63: Natur-Ware Bio-Based and Compostable Cutlery

Figure 64: Vehicles Containing Bio-Based Plastics



Figure 65: Global Market Volume Shares of Bioplastics Used in Automotive and

Transportation Applications, by Segment, 2020

Figure 66: Bioplastic Touch Screen Computer Casing and Toyota Prius Vent Louver

Made of Sorona EP PTT Polyester

Figure 67: Agricultural Mulches, Seeding Strips and Tapes Made from Biodegradable

Plastic

Figure 68: Compostable Films

Figure 69: Global Market Volume Shares of Bioplastics Used in Medical Applications, by

Segment, 2020

Figure 70: Composting

Figure 71: Waste Framework Directive Pyramid Model

Figure 72: Bioplastics Life Cycle Assessment

Figure 73: Global Market Shares of Bioplastics, by Company, 2020

Figure 74: Arkema S.A.: Revenue Share, by Business Segment, 2020

Figure 75: Avantium: Revenue Share, by Business Segment, 2020

Figure 76: BASF: Revenue Share, by Business Segment, 2020

Figure 77: BASF: Sales Share, by Region, 2020

Figure 78: BASF: Ecovio Film

Figure 79: Biome Technologies: Bioplastics Revenues, by Half Year, 2020

Figure 80: Biomer: Bioplastics Mechanical properties

Figure 81: Corbion: Revenue Share, by Business Segment, 2020

Figure 82: Corbion: Sales Share, by Region, 2020

Figure 83: Danimer Scientific: Sales Share, by Geographic Area, 2020

Figure 84: Dow Inc.: Sales Share, by Region, 2020

Figure 85: Koninklijke DSM N.V: Sales Figures, by Business Segment, 2019 and 2020

Figure 86: Koninklijke DSM N.V: Sales Share, by End-User Segment, 2019 and 2020

Figure 87: Eastman Chemical Co.: Sales Share, by Region, 2020

Figure 88: Biodegradable Greenware

Figure 89: Huhtamaki Oyj: Revenue Share, by Business Segment, 2020

Figure 90: JSR Corp.: Revenue Share, by Business Segment, 2020

Figure 91: Teijin Ltd.: Revenue, Sales Volume Ratio, by Application, 2020

Figure 92: Toray Industries: Revenue Share, by Business Segment, 2020

Figure 93: Coca-Cola's PlantBottle



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