

**Bioplastics & Biopolymers Market by Type (Biodegradable, Non-Biodegradable/  
Bio-Based), End-Use Industry (Packaging, Consumer Goods, Textiles, Agriculture &  
Horticulture, Automotive & Transport, Coatings & Adhesives), & Region - Global  
Forecast to 2027**

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**Report description:**

The global market size of bioplastics & biopolymers was USD 11.5 billion in 2022 and is projected to reach USD 27.3 billion by 2027, at a CAGR of 18.9%, during the same period. The key drivers of the bioplastics & biopolymers market are the increased use of bioplastics in the packaging end-use industry, increased focus of government on green procurement policies and regulations. In terms of value, PHA in biodegradable type accounts for the fastest-growing segment in bioplastics & biopolymers market, by product type, during the forecast period.

PHAs are known for their superior high-temperature performance that enables their application in a wide variety of end-use industries like packaging, medical consumer goods. Manufacturers like Tepha-Flex, one of the major players use PHA for biomedical applications such as surgical sutures, surgical mesh, and surgical films, are focusing on the further development of devices for anterior cruciate ligament repair, etc.

In terms of value, cassava is estimated to be second-growing segment in bioplastics & biopolymers market, by raw material, during the forecast period.

Cassava is a cheap and common root vegetable across Indonesia and a promising raw material for the development of bioplastics. Bioplastics made from Cassava starch are as tough as traditional plastics made of petroleum. It is biodegradable and compostable. It can break down over a period of months on land or at sea. Cassava bioplastics can be used for food packaging or carrier bags.

In terms of value, agriculture & horticulture is estimated to be fastest-growing segment in bioplastics & biopolymers market, by end use, during the forecast period.

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Biopolymers offer specific advantages, such as biodegradability and biobased content, making them a preferable choice in agriculture. Farmers have been using PBAT and PBS mulch films to improve crop productivity and soil quality. These polymers are also used in the cultivation, harvesting, and processing of agricultural products.

North America region accounted for the second-fastest growing segment in the bioplastics & biopolymers market by value. North America is the second-largest bioplastics & biopolymers market in terms of value, in 2021. The countries in the region have already started implementing new regulations that promote the wide use of bioplastic materials. However, the progress is hindered due to weak and unclear enforcement guidelines from the governments. Bioplastics are used in various industries such as packaging & bags (food and paramedical packaging), consumer goods, agriculture & horticulture (landfill, soil control, and mulch), textile (fabric processing), and others (biomedical, automotive, and building & construction) in the North American region.

#### Breakdown of primaries

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the bioplastics & biopolymers market, and information was gathered from secondary research to determine and verify the market size of several segments. The break-up of the primaries is as follows:

-By Company Type: Tier 1 - 35%, Tier 2 - 35%, and Tier 3 - 30%

-By Designation: C Level Executives- 40%, Directors - 40%, and Others - 20%

-By Region: Asia Pacific - 50%, Europe - 20%, North America - 10%, the Middle East & Africa - 10%, and South America- 10%

NatureWorks LLC (US), Braskem (Brazil), BASF SE (Germany), TotalEnergies Corbion (Netherlands), Novamont S.P.A (Italy), Biome Bioplastics Limited (UK), Mitsubishi Chemical Group Corporation (Japan), Biotec Biologische Naturverpackungen GmbH & Co. (Germany), Plantic Technologies Limited (Australia), and Toray Industries, Inc. (Japan) are the key players in the bioplastics & biopolymers market.

#### Research Coverage:

This report provides detailed segmentation of the bioplastics & biopolymers market based on by raw material type, product type, by end-use industry, and region. Based on product type, the market has been segmented into biodegradable & non-biodegradable. Further biodegradable is segmented into PLA, PBS, PBAT, starch based, PHA, cellulose films.

Non-biodegradable/bio based is segmented into Bio-PE, Bio-PP, Bio-PET, Bio-PA, PEF, PTT. Based on raw material type, the market has been segmented into sugarcane/ sugar beet, cassava, corn starch, wheat, switchgrass, vegetable oil. Based on end-use industry, the market has been segmented into packaging (flexible & rigid), textiles, automotive & transport, consumer goods, agriculture & horticulture, coatings & adhesives, building & construction, electricals & electronics.

#### Key Benefits of Buying the Report:

From an insight perspective, this research report focuses on various levels of analyses - industry analysis (industry trends), market ranking of top players, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the bioplastics & biopolymers Insulation market; high growth regions; and market drivers, restraints, opportunities, and challenges.

#### Table of Contents:

1	INTRODUCTION	35
1.1	STUDY OBJECTIVES	35
1.2	MARKET DEFINITION	36
TABLE 1	BIOPLASTICS & BIOPOLYMERS: DEFINITION	36
1.2.1	INCLUSIONS AND EXCLUSIONS	37
TABLE 2	BIOPLASTICS & BIOPOLYMERS MARKET: INCLUSIONS AND EXCLUSIONS	37
1.3	STUDY SCOPE	38
1.3.1	MARKETS COVERED	38
FIGURE 1	BIOPLASTICS & BIOPOLYMERS: MARKET SEGMENTATION	38
1.3.2	REGIONS COVERED	39
1.3.3	YEARS CONSIDERED	39

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1.4	CURRENCY CONSIDERED	40
1.5	UNITS CONSIDERED	40
1.6	STAKEHOLDERS	40
1.7	SUMMARY OF CHANGES	40
2	RESEARCH METHODOLOGY	42
2.1	RESEARCH DATA	42
	FIGURE 2 BIOPLASTICS & BIOPOLYMERS MARKET: RESEARCH DESIGN	42
2.1.1	SECONDARY DATA	43
2.1.1.1	Key data from secondary sources	43
2.1.2	PRIMARY DATA	43
2.1.2.1	Key data from primary sources	44
2.1.3	PRIMARY INTERVIEWS	45
2.1.3.1	Primary interviews: demand and supply sides	45
2.1.4	KEY INDUSTRY INSIGHTS	45
2.1.4.1	Breakdown of primary interviews	45
2.2	MARKET SIZE ESTIMATION	46
	FIGURE 3 MARKET SIZE ESTIMATION APPROACH	46
2.2.1	BOTTOM-UP APPROACH	47
2.2.1.1	Approach for arriving at market size using bottom-up approach	47
	FIGURE 4 BOTTOM-UP APPROACH	48
2.2.2	TOP-DOWN APPROACH	48
2.2.2.1	Approach for arriving at market size using top-down approach	48
	FIGURE 5 TOP-DOWN APPROACH	49
2.2.3	SUPPLY-SIDE APPROACH	49
2.3	DATA TRIANGULATION	50
	FIGURE 6 BIOPLASTICS & BIOPOLYMERS MARKET: DATA TRIANGULATION	50
	?	
2.4	FACTOR ANALYSIS	51
	FIGURE 7 BIOPLASTICS & BIOPOLYMERS MARKET: FACTOR ANALYSIS	51
2.5	RESEARCH ASSUMPTIONS	51
2.6	LIMITATIONS AND RISKS	52
3	EXECUTIVE SUMMARY	53
	FIGURE 8 BIODEGRADABLE SEGMENT TO LEAD BIOPOLYMERS MARKET DURING FORECAST PERIOD	54
	FIGURE 9 PLA TO LEAD BIODEGRADABLE PLASTICS TYPE MARKET DURING FORECAST PERIOD	54
	FIGURE 10 SUGARCANE/SUGAR BEET TO DOMINATE RAW MATERIAL TYPE DURING FORECAST PERIOD	55
	FIGURE 11 PACKAGING TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD	56
	FIGURE 12 ASIA PACIFIC ACCOUNTED FOR LARGEST MARKET SHARE IN 2021	56
4	PREMIUM INSIGHTS	58
4.1	EMERGING ECONOMIES TO WITNESS HIGH GROWTH IN BIOPOLYMERS MARKET	58
	FIGURE 13 ASIA PACIFIC TO OFFER ATTRACTIVE OPPORTUNITIES TO BIOPOLYMERS PLAYERS	58
4.2	BIOPOLYMERS MARKET, PRODUCT TYPE	58
	FIGURE 14 BIODEGRADABLE BIOPOLYMERS TO LEAD MARKET DURING FORECAST PERIOD	58
4.3	BIOPOLYMERS MARKET, BY END-USE INDUSTRY	59
	FIGURE 15 AGRICULTURE & HORTICULTURE TO BE FASTEST-GROWING END-USE INDUSTRY DURING FORECAST PERIOD	59
4.4	ASIA PACIFIC: BIOPOLYMERS MARKET, BY END-USE INDUSTRY AND COUNTRY	59
	FIGURE 16 PACKAGING INDUSTRY AND CHINA ACCOUNTED FOR LARGEST MARKET SHARES	59
5	MARKET OVERVIEW	60

5.1	INTRODUCTION	60
5.2	MARKET DYNAMICS	60
	FIGURE 17 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN BIOPLASTICS & BIOPOLYMERS MARKET	60
5.2.1	DRIVERS	61
5.2.1.1	Shift in consumer preference toward bio-based plastics	61
5.2.1.2	Increasing use in packaging and compostable applications	61
5.2.1.3	Increase in waste management in Europe	61
5.2.1.4	Government focus on green procurement policies & regulations	62
5.2.1.5	Increased focus on bio-based content over biodegradability	62
5.2.2	RESTRAINTS	63
5.2.2.1	Performance issue of bioplastics	63
5.2.2.2	Higher prices of biodegradable plastics than that of their alternatives	63
5.2.3	OPPORTUNITIES	63
5.2.3.1	Development of newer applications	63
5.2.3.2	High potential in emerging economies	64
5.2.4	CHALLENGES	64
5.2.4.1	Segregation and processing of bioplastics	64
	FIGURE 18 SEGREGATION AND PROCESSING OF BIOPLASTICS	64
5.2.4.2	Fluctuating oil prices create volatility in demand for biodegradable plastics	65
5.2.4.3	Expensive and complex production process	65
5.3	PATENT ANALYSIS	66
5.3.1	METHODOLOGY	66
5.3.2	DOCUMENT TYPE	66
	FIGURE 19 GRANTED PATENTS ACCOUNTED FOR SIGNIFICANT SHARE OF BIOPLASTICS & BIOPOLYMERS INDUSTRY	66
5.3.3	PUBLICATION TRENDS - LAST 10 YEARS	67
	FIGURE 20 NO. OF PATENTS YEAR WISE IN LAST 10 YEARS	67
5.3.4	INSIGHTS	67
5.3.5	JURISDICTION ANALYSIS	67
5.3.6	TOP 10 COMPANIES/APPLICANTS	68
	FIGURE 21 PATENT ANALYSIS	68
5.3.7	PATENTS BY CASIO COMPUTER CO. LTD.	68
5.3.8	PATENTS BY ALLEGHENY SINGER RES. INST.	68
5.3.9	PATENTS BY UNIV. CARNEGIE MELLON	69
5.3.10	TOP 10 PATENT OWNERS IN LAST 10 YEARS	69
5.4	ECOSYSTEM MAPPING	70
	FIGURE 22 BIOPLASTICS & BIOPOLYMERS ECOSYSTEM	70
	TABLE 3 BIOPLASTICS & BIOPOLYMERS: ECOSYSTEM	70
5.5	VALUE CHAIN ANALYSIS	71
	FIGURE 23 VALUE CHAIN ANALYSIS	71
5.5.1	RAW MATERIAL SUPPLIERS	71
5.5.2	MANUFACTURERS	71
5.5.3	DISTRIBUTORS	71
5.5.4	END-USE INDUSTRY	72
5.6	RAW MATERIAL ANALYSIS	72
5.6.1	SUGARCANE/SUGAR BEET	72
5.6.2	CORN STARCH	72
5.6.3	POTATO	72

5.6.4	VEGETABLE OIL	72
5.6.5	SWITCHGRASS	73
5.7	PRICING ANALYSIS	73
5.7.1	AVERAGE SELLING PRICE BASED ON REGION	73
FIGURE 24 BIOPLASTICS & BIOPOLYMERS PRICES IN DIFFERENT REGIONS, 2020-2021		73
FIGURE 25 AVERAGE SELLING PRICE OF KEY PLAYERS FOR TOP THREE END-USE SEGMENTS		74
5.7.2	AVERAGE SELLING PRICE FOR KEY PLAYERS	74
TABLE 4 KEY PLAYERS: AVERAGE SELLING PRICE (USD/KG)		74
5.8	PORTER'S FIVE FORCES ANALYSIS	75
FIGURE 26 BIOPLASTICS & BIOPOLYMERS MARKET: PORTER'S FIVE FORCES ANALYSIS		75
5.8.1	THREAT OF SUBSTITUTES	75
5.8.2	BARGAINING POWER OF SUPPLIERS	76
5.8.3	THREAT OF NEW ENTRANTS	76
5.8.4	BARGAINING POWER OF BUYERS	76
5.8.5	INTENSITY OF COMPETITIVE RIVALRY	76
TABLE 5 BIOPLASTICS & BIOPOLYMERS: PORTER'S FIVE FORCES ANALYSIS		77
5.9	TRADE ANALYSIS	77
5.9.1	POLYLACTIC ACID (PLA)	77
TABLE 6 IMPORT TRADE DATA OF PLA FOR TOP 10 COUNTRIES, 2018-2021 (USD MILLION)		77
TABLE 7 EXPORT TRADE DATA OF PLA FOR TOP 10 COUNTRIES, 2018-2021 (USD MILLION)		78
5.10	MACROECONOMIC INDICATORS	78
5.10.1	GDP TRENDS AND FORECASTS	78
TABLE 8 PROJECTED REAL GDP GROWTH (ANNUAL PERCENT CHANGE) OF KEY COUNTRIES, 2018-2025		79
5.11	TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES	80
FIGURE 27 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES		80
5.12	TECHNOLOGY ANALYSIS	80
5.12.1	PHA BIODEGRADABLE PLASTICS	80
5.12.2	BIOPOLYMERS MADE FROM MICROORGANISMS	81
5.12.3	BIOPLASTICS MADE FROM FISH SCALES	81
5.12.4	BIOPLASTICS MADE FROM RED FRUIT	81
5.12.5	BIOPLASTICS MADE FROM OLIVE PITS	81
5.12.6	RECYCLABLE BIOPLASTICS MADE FROM LOBSTER SHELLS	81
5.13	IMPACT OF RECESSION ON BIOPLASTICS & BIOPOLYMERS MARKET	82
5.14	KEY CONFERENCES AND EVENTS IN 2022-2023	83
TABLE 9 BIOPLASTICS & BIOPOLYMERS: LIST OF CONFERENCES AND EVENTS		83
5.15	TARIFF AND REGULATIONS	85
5.15.1	NORTH AMERICA	85
5.15.2	EUROPE	85
5.15.3	ASIA	86
5.15.4	OTHERS	87
5.16	CASE STUDY ANALYSIS	87
5.16.1	NATUREWORKS LLC	87
5.16.2	NATUREWORKS LLC	87
5.16.3	FKUR KUNSTSTOFF GMBH	88
5.17	KEY FACTORS AFFECTING BUYING DECISION	88
5.17.1	QUALITY	88
5.17.2	SERVICE	88

## FIGURE 28 SUPPLIER SELECTION CRITERION 88

### 6 BIOPLASTICS & BIOPOLYMERS MARKET, BY PRODUCT TYPE 90

#### 6.1 INTRODUCTION 91

#### FIGURE 29 BIODEGRADABLE BIOPLASTICS & BIOPOLYMERS TO WITNESS HIGHER GROWTH DURING FORECAST PERIOD 91

#### TABLE 10 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (KILOTON) 91

#### TABLE 11 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (KILOTON) 92

#### TABLE 12 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (USD MILLION) 93

#### TABLE 13 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (USD MILLION) 94

#### 6.2 BIODEGRADABLE 95

##### 6.2.1 POLYBUTYLENE ADIPATE TEREPHTHALATE (PBAT) 95

##### 6.2.1.1 PBAT to replace LDPE in flexible packaging application 95

##### 6.2.2 POLYBUTYLENE SUCCINATE (PBS) 95

##### 6.2.2.1 Superior processability of PBS driving its demand 95

##### 6.2.3 POLYLACTIC ACID (PLA) 96

##### 6.2.3.1 PLA manufacturing is less expensive compared to other biodegradable plastics 96

##### 6.2.4 POLYHYDROXYALKANOATE (PHA) 96

##### 6.2.4.1 Liquid packaging of high-quality materials to influence market 96

##### 6.2.5 STARCH BLENDS 97

##### 6.2.5.1 Tensile strength and elongation properties to boost demand 97

##### 6.2.6 CELLULOSE FILMS 97

##### 6.2.7 OTHERS 97

#### 6.3 NON-BIODEGRADABLE 98

##### 6.3.1 BIO-BASED POLYETHYLENE (BIO-PE) 98

##### 6.3.1.1 Food packaging industry to drive market growth 98

##### 6.3.2 BIO-BASED POLYAMIDE (BIO-PA) 98

##### 6.3.2.1 Rapid use in automotive and textile industries to boost market growth 98

##### 6.3.3 BIO-BASED POLYETHYLENE TEREPHTHALATE (BIO-PET) 98

##### 6.3.3.1 Growing demand from beverage industry to propel market growth 98

##### 6.3.4 POLYTRIMETHYLENE TEREPHTHALATE (PTT) 99

##### 6.3.4.1 Superior dimensional stability to fuel market 99

##### 6.3.5 POLYETHYLENE FURANOATE (PEF) 99

##### 6.3.5.1 PEF to replace PET in market 99

?

##### 6.3.6 BIO-BASED POLYPROPYLENE (BIO-PP) 99

##### 6.3.6.1 Bio-PP to find application in food & beverage industry 99

##### 6.3.7 OTHERS 100

### 7 BIOPLASTICS & BIOPOLYMERS MARKET, BY RAW MATERIAL 101

#### 7.1 INTRODUCTION 102

#### FIGURE 30 SWITCHGRASS TO BE FASTEST-GROWING RAW MATERIAL DURING FORECAST PERIOD 102

#### TABLE 14 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (KILOTON) 102

#### TABLE 15 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (KILOTON) 103

#### TABLE 16 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (USD MILLION) 103

#### TABLE 17 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (USD MILLION) 104

#### 7.2 SUGAR CANE 104

##### 7.2.1 SUGARCANE TO BE SECOND-LARGEST RAW MATERIAL USED IN BIOPLASTICS 104

#### 7.3 POTATO 104

##### 7.3.1 GROWING APPLICATION OF POTATO-BASED BIOPLASTICS IN FOOD SERVICE INDUSTRY TO DRIVE MARKET 104

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7.4	CORN STARCH	105
7.4.1	GROWING PACKAGING APPLICATIONS TO BOOST MARKET	105
7.5	SWITCHGRASS	105
7.5.1	INCREASING DEMAND FOR PHA POLYMER TO BOOST MARKET GROWTH	105
7.6	VEGETABLE OIL	105
7.6.1	GROWING USE OF CASTOR OIL-BASED POLYMERS IN SPORTSWEAR INDUSTRY TO DRIVE MARKET	105
7.7	CASSAVA	106
7.7.1	MANUFACTURERS TO PRODUCE SHOPPING BAGS DERIVED FROM CASSAVA	106
7.8	WHEAT	106
7.8.1	SURGE IN DEMAND FOR FLEXIBLE PACKAGING SOLUTIONS TO DRIVE GROWTH	106
7.9	OTHERS	106
8	BIOPLASTICS & BIOPOLYMERS MARKET, BY END-USE INDUSTRY	107
8.1	INTRODUCTION	108
	FIGURE 31 PACKAGING TO BE LARGEST END-USE INDUSTRY DURING FORECAST PERIOD	108
	TABLE 18 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	108
	TABLE 19 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	109
	TABLE 20 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	109
	TABLE 21 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	110
8.2	PACKAGING	110
8.2.1	INCREASING DEMAND FOR FOOD PACKAGING TO DRIVE MARKET	110
8.2.2	FLEXIBLE PACKAGING	111
8.2.3	RIGID PACKAGING	111
8.3	TEXTILE	112
8.3.1	INCREASING DEMAND FROM FIBER INDUSTRY TO DRIVE GROWTH	112
8.4	CONSUMER GOODS	112
8.4.1	MANUFACTURERS' INCREASING INCLINATION TOWARD GREEN PRODUCTS TO BOOST MARKET GROWTH	112
8.5	AUTOMOTIVE & TRANSPORT	113
8.5.1	BIO-PET & PTT BIOPLASTICS TO DRIVE AUTOMOTIVE INDUSTRY	113
8.6	AGRICULTURE & HORTICULTURE	113
8.6.1	INCREASING USE OF BIOPLASTICS IN MULCH FILMS TO DRIVE MARKET	113
8.7	BUILDING & CONSTRUCTION	114
8.7.1	BIOPLASTICS TO FIND APPLICATION IN 3D FLOORING SOLUTIONS AND DRAPES FOR OUTDOOR AREAS	114
8.8	COATINGS & ADHESIVES	114
8.8.1	BIO-BASED COATINGS TO FIND APPLICATION IN DRINKING CUPS	114
8.9	ELECTRICALS & ELECTRONICS	114
8.9.1	INCREASING USE OF BIOPLASTICS IN ELECTRONICS INDUSTRY TO DRIVE MARKET	114
8.10	OTHERS	114
9	BIOPLASTICS & BIOPOLYMERS MARKET, BY REGION	115
9.1	INTRODUCTION	116
	TABLE 22 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY REGION, 2018-2021 (KILOTON)	116
	TABLE 23 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY REGION, 2022-2027 (KILOTON)	116
	TABLE 24 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY REGION, 2018-2021 (USD MILLION)	117
	TABLE 25 BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY REGION, 2022-2027 (USD MILLION)	117
9.2	ASIA PACIFIC	117
	FIGURE 32 ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SNAPSHOT	118
	TABLE 26 ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (KILOTON)	119
	TABLE 27 ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (KILOTON)	119

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TABLE 28	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (USD MILLION)	119
TABLE 29	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (USD MILLION)	120
TABLE 30	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (KILOTON)	120
TABLE 31	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (KILOTON)	121
TABLE 32	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (USD MILLION)	122
TABLE 33	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (USD MILLION)	123
TABLE 34	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (KILOTON)	123
TABLE 35	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (KILOTON)	124
TABLE 36	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (USD MILLION)	124
TABLE 37	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (USD MILLION)	125
TABLE 38	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	125
TABLE 39	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	126
TABLE 40	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	126
TABLE 41	ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	127
9.2.1	CHINA	127
9.2.1.1	Presence of large packaging and consumer goods industries to drive market growth	127
TABLE 42	CHINA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	128
TABLE 43	CHINA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	128
TABLE 44	CHINA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	129
TABLE 45	CHINA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	129
9.2.2	INDIA	130
9.2.2.1	Single-use Plastics (SUP) ban initiative by government to boost market growth	130
TABLE 46	INDIA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	131
TABLE 47	INDIA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	131
TABLE 48	INDIA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	132
TABLE 49	INDIA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	132
9.2.3	JAPAN	133
9.2.3.1	Government initiatives to ban plastic bags to drive market	133
TABLE 50	JAPAN: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	133
TABLE 51	JAPAN: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	134
TABLE 52	JAPAN: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	134
TABLE 53	JAPAN: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	135
9.2.4	SOUTH KOREA	135
9.2.4.1	Government policies to boost market growth	135
TABLE 54	SOUTH KOREA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	136
TABLE 55	SOUTH KOREA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	136
TABLE 56	SOUTH KOREA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	137
TABLE 57	SOUTH KOREA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	137
9.2.5	THAILAND	138
9.2.5.1	Availability of raw materials to drive market growth	138
TABLE 58	THAILAND: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	138
TABLE 59	THAILAND: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	139
TABLE 60	THAILAND: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	139
TABLE 61	THAILAND: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	140
9.2.6	REST OF ASIA PACIFIC	140
TABLE 62	REST OF ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	140
TABLE 63	REST OF ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	141

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TABLE 64□REST OF ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)□141

TABLE 65□REST OF ASIA PACIFIC: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)□142

### 9.3□EUROPE□142

TABLE 66□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (KILOTON)□143

TABLE 67□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (KILOTON)□143

TABLE 68□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (USD MILLION)□144

TABLE 69□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (USD MILLION)□144

TABLE 70□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (KILOTON)□145

TABLE 71□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (KILOTON)□146

TABLE 72□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (USD MILLION)□147

TABLE 73□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (USD MILLION)□148

TABLE 74□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (KILOTON)□148

TABLE 75□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (KILOTON)□149

TABLE 76□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (USD MILLION)□149

TABLE 77□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (USD MILLION)□150

TABLE 78□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)□150

TABLE 79□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)□151

TABLE 80□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)□151

TABLE 81□EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)□152

#### 9.3.1□GERMANY□152

9.3.1.1□Increase in demand from flexible packaging to surge production of bioplastics & biopolymers□152

TABLE 82□GERMANY: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)□153

TABLE 83□GERMANY: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)□153

TABLE 84□GERMANY: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)□154

TABLE 85□GERMANY: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)□154

#### 9.3.2□ITALY□155

9.3.2.1□Food packaging industry to drive growth□155

TABLE 86□ITALY: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)□155

TABLE 87□ITALY: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)□156

TABLE 88□ITALY: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)□156

TABLE 89□ITALY: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)□157

#### 9.3.3□FRANCE□157

9.3.3.1□Government initiatives leading to shift toward use of non-biodegradable & biodegradable plastics□157

TABLE 90□FRANCE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)□158

TABLE 91□FRANCE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)□158

TABLE 92□FRANCE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)□159

TABLE 93□FRANCE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)□159

#### 9.3.4□SPAIN□160

9.3.4.1□Public awareness and waste management initiatives to drive demand□160

TABLE 94□SPAIN: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)□160

TABLE 95□SPAIN: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)□161

TABLE 96□SPAIN: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)□161

TABLE 97□SPAIN: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)□162

#### 9.3.5□UK□162

9.3.5.1□Stringent regulations regarding single-use plastics to boost market growth□162

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TABLE 98	UK: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	163
TABLE 99	UK: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	163
TABLE 100	UK: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	164
TABLE 101	UK: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	164
9.3.6	GREECE	165
9.3.6.1	Various campaigns and government support toward use of bioplastics to propel growth	165
TABLE 102	GREECE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	165
TABLE 103	GREECE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	166
TABLE 104	GREECE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	166
TABLE 105	GREECE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	167
9.3.7	EASTERN EUROPE	167
9.3.7.1	Consumer trends to influence market	167
TABLE 106	EASTERN EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	168
TABLE 107	EASTERN EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	168
TABLE 108	EASTERN EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	169
TABLE 109	EASTERN EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	169
9.3.8	REST OF EUROPE	170
TABLE 110	REST OF EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	170
TABLE 111	REST OF EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	171
TABLE 112	REST OF EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	171
TABLE 113	REST OF EUROPE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	172
9.4	NORTH AMERICA	172
FIGURE 33	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SNAPSHOT	173
TABLE 114	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (KILOTON)	173
TABLE 115	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (KILOTON)	174
TABLE 116	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (USD MILLION)	174
TABLE 117	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (USD MILLION)	174
TABLE 118	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (KILOTON)	175
TABLE 119	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (KILOTON)	176
TABLE 120	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (USD MILLION)	177
TABLE 121	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (USD MILLION)	178
TABLE 122	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (KILOTON)	178
TABLE 123	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (KILOTON)	179
TABLE 124	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (USD MILLION)	179
TABLE 125	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (USD MILLION)	180
TABLE 126	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	180
TABLE 127	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	181
TABLE 128	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	181
TABLE 129	NORTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	182
9.4.1	US	182
9.4.1.1	Government initiatives regarding bioplastic adoption to boost market growth	182
TABLE 130	US: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	183
TABLE 131	US: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	183
TABLE 132	US: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	184
TABLE 133	US: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	184
9.4.2	CANADA	185
9.4.2.1	Stringent regulations over use of plastics to drive market growth	185

TABLE 134	CANADA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	185
TABLE 135	CANADA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	186
TABLE 136	CANADA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	186
TABLE 137	CANADA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	187
9.4.3	MEXICO	187
9.4.3.1	Growing R&D in packaging sector to drive market	187
TABLE 138	MEXICO: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	188
TABLE 139	MEXICO: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	188
TABLE 140	MEXICO: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	189
TABLE 141	MEXICO: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	189
9.5	SOUTH AMERICA	190
TABLE 142	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (KILOTON)	190
TABLE 143	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (KILOTON)	190
TABLE 144	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (USD MILLION)	190
TABLE 145	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (USD MILLION)	191
TABLE 146	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (KILOTON)	191
TABLE 147	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (KILOTON)	192
TABLE 148	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (USD MILLION)	193
TABLE 149	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (USD MILLION)	194
TABLE 150	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (KILOTON)	194
TABLE 151	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (KILOTON)	195
TABLE 152	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (USD MILLION)	195
TABLE 153	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (USD MILLION)	196
TABLE 154	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	196
TABLE 155	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	197
TABLE 156	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	197
TABLE 157	SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	198
9.5.1	BRAZIL	198
9.5.1.1	Abundance of raw materials for biopolymers to support market	198
TABLE 158	BRAZIL: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	198
TABLE 159	BRAZIL: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	199
TABLE 160	BRAZIL: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	199
TABLE 161	BRAZIL: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	200
9.5.2	ARGENTINA	200
9.5.2.1	Recovering economy of country to boost market	200
TABLE 162	ARGENTINA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	201
TABLE 163	ARGENTINA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	201
TABLE 164	ARGENTINA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	202
TABLE 165	ARGENTINA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION)	202
9.5.3	REST OF SOUTH AMERICA	203
TABLE 166	REST OF SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON)	203
TABLE 167	REST OF SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON)	203
TABLE 168	REST OF SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION)	204
TABLE 169	REST OF SOUTH AMERICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD	

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MILLION) 204

#### 9.6 MIDDLE EAST & AFRICA 205

TABLE 170 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (KILOTON) 205

TABLE 171 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (KILOTON) 205

TABLE 172 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2018-2021 (USD MILLION) 205

TABLE 173 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY COUNTRY, 2022-2027 (USD MILLION) 206

TABLE 174 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (KILOTON) 206

TABLE 175 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (KILOTON) 207

TABLE 176 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2018-2021 (USD MILLION) 208

TABLE 177 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY PRODUCT TYPE, 2022-2027 (USD MILLION) 209

TABLE 178 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (KILOTON) 209

TABLE 179 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (KILOTON) 210

TABLE 180 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2018-2021 (USD MILLION) 210

TABLE 181 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY RAW MATERIAL, 2022-2027 (USD MILLION) 211

TABLE 182 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 211

TABLE 183 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 212

TABLE 184 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 212

TABLE 185 MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 213

##### 9.6.1 SAUDI ARABIA 213

###### 9.6.1.1 Stringent regulations regarding use of plastics to drive market 213

TABLE 186 SAUDI ARABIA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 214

TABLE 187 SAUDI ARABIA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 214

TABLE 188 SAUDI ARABIA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 215

TABLE 189 SAUDI ARABIA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 215

##### 9.6.2 UAE 216

###### 9.6.2.1 Manufacturers in UAE to introduce bio-based raw materials 216

TABLE 190 UAE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 216

TABLE 191 UAE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 217

TABLE 192 UAE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 217

TABLE 193 UAE: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 218

##### 9.6.3 SOUTH AFRICA 218

###### 9.6.3.1 Stringent regulations regarding adoption of sustainable products to drive market 218

TABLE 194 SOUTH AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 219

TABLE 195 SOUTH AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 219

TABLE 196 SOUTH AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 220

TABLE 197 SOUTH AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 220

##### 9.6.4 REST OF MIDDLE EAST & AFRICA 221

TABLE 198 REST OF MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (KILOTON) 221

TABLE 199 REST OF MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (KILOTON) 221

TABLE 200 REST OF MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2018-2021 (USD MILLION) 222

TABLE 201 REST OF MIDDLE EAST & AFRICA: BIOPLASTICS & BIOPOLYMERS MARKET SIZE, BY END-USE INDUSTRY, 2022-2027 (USD MILLION) 222

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