

# Global PHA Market Analysis 2016-2020 and Forecast 2021-2026

<https://marketpublishers.com/r/GBB1B8803424EN.html>

Date: February 2021

Pages: 80

Price: US\$ 2,980.00 (Single User License)

ID: GBB1B8803424EN

## Abstracts

### SNAPSHOT

Polyhydroxyalkanoates (PHAs) are naturally-occurring polymers produced by bacteria. A variety of bacterial species produce PHAs by fermenting biomass under nutrient-limiting conditions. These water-insoluble storage polymers are biodegradable, exhibit thermoplastic properties and can be produced from renewable carbon sources found in plants. The thermoplastic properties, biodegradability and biocompatibility make these renewable materials suitable for several applications in packaging industry, medicine, pharmacy, agriculture and food industry.

The global PHA market size is estimated at xxx million USD with a CAGR xx% from 2016-2020 and is expected to reach xxx Million USD in 2021 with a CAGR xx% from 2021 to 2026. The report begins from overview of Industry Chain structure, and describes industry environment, then analyses market size and forecast of PHA by product, region and application, in addition, this report introduces market competition situation among the vendors and company profile, besides, market price analysis and value chain features are covered in this report.

Product Type Coverage (Market Size & Forecast, Major Company of Product Type etc.):

PHB

PHBV

PHBHx

PHB4B

Others

Company Coverage (Company Profile, Sales Revenue, Price, Gross Margin, Main Products etc.):

GreenBio Materials

Shenzhen Ecomann Technology

MHG

P&G Chemicals

Metabolix

Tian'an Biopolymer

Kaneka

Biomer

Newlight Technologies

PHB Industrial

Application Coverage (Market Size & Forecast, Different Demand Market by Region, Main Consumer Profile etc.):

Packaging

Biomedical

Agricultural

Food Services

Others

Region Coverage (Regional Production, Demand & Forecast by Countries etc.):

North America (U.S., Canada, Mexico)

Europe (Germany, U.K., France, Italy, Russia, Spain etc.)

Asia-Pacific (China, India, Japan, Southeast Asia etc.)

South America (Brazil, Argentina etc.)

Middle East & Africa (Saudi Arabia, South Africa etc.)

## Contents

### 1 INDUSTRY OVERVIEW

#### 1.1 PHA Industry

##### Figure PHA Industry Chain Structure

##### 1.1.1 Overview

##### 1.1.2 Development of PHA

#### 1.2 Market Segment

##### 1.2.1 Upstream

##### Table Upstream Segment of PHA

##### 1.2.2 Downstream

##### Table Application Segment of PHA

##### Table Global PHA Market 2016-2026, by Application, in USD Million

##### 1.2.3 COVID-19 Impact

#### 1.3 Cost Analysis

### 2 INDUSTRY ENVIRONMENT (PEST ANALYSIS)

#### 2.1 Policy

#### 2.2 Economics

#### 2.3 Sociology

#### 2.4 Technology

### 3 PHA MARKET BY TYPE

#### 3.1 By Type

##### 3.1.1 PHB

##### Table Major Company List of PHB

##### 3.1.2 PHBV

##### Table Major Company List of PHBV

##### 3.1.3 PHBHx

##### Table Major Company List of PHBHx

##### 3.1.4 PHB4B

##### Table Major Company List of PHB4B

##### 3.1.5 Others

##### Table Major Company List of Others

#### 3.2 Market Size

##### Table Global PHA Market 2016-2020, by Type, in USD Million

Figure Global PHA Market Growth 2016-2020, by Type, in USD Million

Table Global PHA Market 2016-2020, by Type, in MT

Figure Global PHA Market Growth 2016-2020, by Type, in MT

### 3.3 Market Forecast

Table Global PHA Market Forecast 2021-2026, by Type, in USD Million

Table Global PHA Market Forecast 2021-2026, by Type, in MT

## 4 MAJOR COMPANIES LIST

### 4.1 GreenBio Materials (Company Profile, Sales Data etc.)

#### 4.1.1 GreenBio Materials Profile

Table GreenBio Materials Overview List

#### 4.1.2 GreenBio Materials Products & Services

#### 4.1.3 GreenBio Materials Business Operation Conditions

Table Business Operation of GreenBio Materials (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

### 4.2 Shenzhen Ecomann Technology (Company Profile, Sales Data etc.)

#### 4.2.1 Shenzhen Ecomann Technology Profile

Table Shenzhen Ecomann Technology Overview List

#### 4.2.2 Shenzhen Ecomann Technology Products & Services

#### 4.2.3 Shenzhen Ecomann Technology Business Operation Conditions

Table Business Operation of Shenzhen Ecomann Technology (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

### 4.3 MHG (Company Profile, Sales Data etc.)

#### 4.3.1 MHG Profile

Table MHG Overview List

#### 4.3.2 MHG Products & Services

#### 4.3.3 MHG Business Operation Conditions

Table Business Operation of MHG (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

### 4.4 P&G Chemicals (Company Profile, Sales Data etc.)

#### 4.4.1 P&G Chemicals Profile

Table P&G Chemicals Overview List

#### 4.4.2 P&G Chemicals Products & Services

#### 4.4.3 P&G Chemicals Business Operation Conditions

Table Business Operation of P&G Chemicals (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

### 4.5 Metabolix (Company Profile, Sales Data etc.)

#### 4.5.1 Metabolix Profile

Table Metabolix Overview List

4.5.2 Metabolix Products & Services

4.5.3 Metabolix Business Operation Conditions

Table Business Operation of Metabolix (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.6 Tian'an Biopolymer (Company Profile, Sales Data etc.)

4.6.1 Tian'an Biopolymer Profile

Table Tian'an Biopolymer Overview List

4.6.2 Tian'an Biopolymer Products & Services

4.6.3 Tian'an Biopolymer Business Operation Conditions

Table Business Operation of Tian'an Biopolymer (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.7 Kaneka (Company Profile, Sales Data etc.)

4.7.1 Kaneka Profile

Table Kaneka Overview List

4.7.2 Kaneka Products & Services

4.7.3 Kaneka Business Operation Conditions

Table Business Operation of Kaneka (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.8 Biomer (Company Profile, Sales Data etc.)

4.8.1 Biomer Profile

Table Biomer Overview List

4.8.2 Biomer Products & Services

4.8.3 Biomer Business Operation Conditions

Table Business Operation of Biomer (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.9 Newlight Technologies (Company Profile, Sales Data etc.)

4.9.1 Newlight Technologies Profile

Table Newlight Technologies Overview List

4.9.2 Newlight Technologies Products & Services

4.9.3 Newlight Technologies Business Operation Conditions

Table Business Operation of Newlight Technologies (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.10 PHB Industrial (Company Profile, Sales Data etc.)

4.10.1 PHB Industrial Profile

Table PHB Industrial Overview List

4.10.2 PHB Industrial Products & Services

4.10.3 PHB Industrial Business Operation Conditions

Table Business Operation of PHB Industrial (Sales Revenue, Sales Volume, Price,

Cost, Gross Margin)

## **5 MARKET COMPETITION**

### **5.1 Company Competition**

Table Global PHA Sales Revenue 2016-2020, by Company, in USD Million

Table Global PHA Sales Revenue Share 2016-2020, by Company, in USD Million

Figure Global PHA Sales Revenue Share in 2020, by Company, in USD Million

Table Global PHA Sales Volume 2016-2020, by Company, in MT

Table Global PHA Sales Volume Share 2016-2020, by Company, in MT

Figure Global PHA Sales Volume Share in 2020, by Company, in MT

### **5.2 Regional Market by Company**

Figure North America PHA Market Concentration, in 2020

Figure Europe PHA Market Market Concentration, in 2020

Figure Asia-Pacific PHA MMarket Concentration, in 2020

Figure South America PHA Market Concentration, in 2020

Figure Middle East & Africa PHA Market Concentration, in 2020

## **6 DEMAND BY END MARKET**

### **6.1 Demand Situation**

#### **6.1.1 Demand in Packaging**

Figure PHA Demand in Packaging, 2016-2020, in USD Million

Figure PHA Demand in Packaging, 2016-2020, in MT

#### **6.1.2 Demand in Biomedical**

Figure PHA Demand in Biomedical, 2016-2020, in USD Million

Figure PHA Demand in Biomedical, 2016-2020, in MT

#### **6.1.3 Demand in Agricultural**

Figure PHA Demand in Agricultural, 2016-2020, in USD Million

Figure PHA Demand in Agricultural, 2016-2020, in MT

#### **6.1.4 Demand in Food Services**

Figure PHA Demand in Food Services, 2016-2020, in USD Million

Figure PHA Demand in Food Services, 2016-2020, in MT

#### **6.1.5 Demand in Others**

Figure PHA Demand in Others, 2016-2020, in USD Million

Figure PHA Demand in Others, 2016-2020, in MT

### **6.2 Regional Demand Comparison**

Table Regional Demand Comparison List

Table Major Application in Different Regions

### 6.3 Demand Forecast

Table PHA Demand Forecast 2021-2026, by Application, in USD Million

Figure PHA Market Growth 2021-2026, by Application, in USD Million

Figure PHA Market Share in 2026, by Application, in USD Million

Table PHA Demand Forecast 2021-2026, by Application, in MT

Table PHA Market Growth 2021-2026, by Application, in MT

Table PHA Market Share in 2026, by Application, in MT

### 6.4 Impact of the COVID-19 on the Demand

## 7 REGION OPERATION

### 7.1 Regional Production

Table PHA Production 2016-2020, by Region, in USD Million

Table PHA Production 2016-2020, by Region, in MT

### 7.2 Regional Market

Table Global PHA Market 2016-2020, by Region, in USD Million

Table Global PHA Market Share 2016-2020, by Region, in USD Million

Table Global PHA Market 2016-2020, by Region, in MT

Table Global PHA Market Share 2016-2020, by Region, in MT

### 7.3 by Region

#### 7.3.1 North America

##### 7.3.1.1 Overview

Figure North America PHA Market Size and Growth 2016-2020, in USD Million

Figure North America PHA Market Size and Growth 2016-2020, in MT

##### 7.3.1.2 by Country (U.S., Canada, Mexico)

Table North America PHA Market Size 2016-2020, by Country, in USD Million

Table North America PHA Market Size 2016-2020, by Country, in MT

#### 7.3.2 Europe

##### 7.3.2.1 Overview

Figure Europe PHA Market Size and Growth 2016-2020, in USD Million

Figure Europe PHA Market Size and Growth 2016-2020, in MT

##### 7.3.2.2 by Country (Germany, U.K., France, Italy, Russia, Spain etc.)

Table Europe PHA Market Size 2016-2020, by Country, in USD Million

Table Europe PHA Market Size 2016-2020, by Country, in MT

#### 7.3.3 Asia-Pacific

##### 7.3.3.1 Overview

Figure Asia-Pacific PHA Market Size and Growth 2016-2020, in USD Million

Figure Asia-Pacific PHA Market Size and Growth 2016-2020, in MT

##### 7.3.3.2 by Country (China, India, Japan, Southeast Asia etc.)



Table Asia-Pacific PHA Market Size 2016-2020, by Country, in USD Million

Table Asia-Pacific PHA Market Size 2016-2020, by Country, in MT

#### 7.3.4 South America

##### 7.3.4.1 Overview

Figure South America PHA Market Size and Growth 2016-2020, in USD Million

Figure South America PHA Market Size and Growth 2016-2020, in MT

##### 7.3.4.2 by Country (Brazil, Argentina etc.)

Table South America PHA Market Size 2016-2020, by Country, in USD Million

Table South America PHA Market Size 2016-2020, by Country, in MT

#### 7.3.5 Middle East & Africa

##### 7.3.5.1 Overview

Figure Middle East & Africa PHA Market Size and Growth 2016-2020, in USD Million

Figure Middle East & Africa PHA Market Size and Growth 2016-2020, in MT

##### 7.3.5.2 by Country (Saudi Arabia, South Africa etc.)

Table Middle East & Africa PHA Market Size 2016-2020, by Country, in USD Million

Table Middle East & Africa PHA Market Size 2016-2020, by Country, in MT

#### 7.4 Regional Import & Export

#### 7.5 Regional Forecast

Table PHA Market Forecast 2021-2026, by Region, in USD Million

Table PHA Market Forecast 2021-2026, by Region, in MT

## 8 MARKETING & PRICE

### 8.1 Price and Margin

#### 8.1.1 Price Trends

#### 8.1.2 Factors of Price Change

Table Price Factors List

#### 8.1.3 Manufacturers Gross Margin Analysis

### 8.2 Marketing Channel

Figure Marketing Channels Overview

## 9 RESEARCH CONCLUSION

## List Of Tables

### LIST OF TABLES

1. Table Upstream Segment of PHA
2. Table Application Segment of PHA
3. Table Global PHA Market 2016-2026, by Application, in USD Million
4. Table Major Company List of PHBV
5. Table Major Company List of PHBHx
6. Table Major Company List of PHB4B
7. Table Major Company List of Others
8. Table Global PHA Market 2016-2020, by Type, in USD Million
9. Table Global PHA Market 2016-2020, by Type, in MT
10. Table Global PHA Market Forecast 2021-2026, by Type, in USD Million
11. Table Global PHA Market Forecast 2021-2026, by Type, in MT
12. Table GreenBio Materials Overview List
13. Table Business Operation of GreenBio Materials (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
14. Table Shenzhen Ecomann Technology Overview List
15. Table Business Operation of Shenzhen Ecomann Technology (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
16. Table MHG Overview List
17. Table Business Operation of MHG (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
18. Table P&G Chemicals Overview List
19. Table Business Operation of P&G Chemicals (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
20. Table Metabolix Overview List
21. Table Business Operation of Metabolix (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
22. Table Tian'an Biopolymer Overview List
23. Table Business Operation of Tian'an Biopolymer (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
24. Table Kaneka Overview List
25. Table Business Operation of Kaneka (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
26. Table Biomer Overview List
27. Table Business Operation of Biomer (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
28. Table Newlight Technologies Overview List

29. Table Business Operation of Newlight Technologies (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
30. Table PHB Industrial Overview List
31. Table Business Operation of PHB Industrial (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
32. Table Global PHA Sales Revenue 2016-2020, by Company, in USD Million
33. Table Global PHA Sales Revenue Share 2016-2020, by Company, in USD Million
34. Table Global PHA Sales Volume 2016-2020, by Company, in MT
35. Table Global PHA Sales Volume Share 2016-2020, by Company, in MT
36. Table Regional Demand Comparison List
37. Table Major Application in Different Regions
38. Table PHA Demand Forecast 2021-2026, by Application, in USD Million
39. Table PHA Demand Forecast 2021-2026, by Application, in MT
40. Table PHA Market Growth 2021-2026, by Application, in MT
41. Table PHA Market Share in 2026, by Application, in MT
42. Table PHA Production 2016-2020, by Region, in USD Million
43. Table PHA Production 2016-2020, by Region, in MT
44. Table Global PHA Market 2016-2020, by Region, in USD Million
45. Table Global PHA Market Share 2016-2020, by Region, in USD Million
46. Table Global PHA Market 2016-2020, by Region, in MT
47. Table Global PHA Market Share 2016-2020, by Region, in MT
48. Table North America PHA Market Size 2016-2020, by Country, in USD Million
49. Table North America PHA Market Size 2016-2020, by Country, in MT
50. Table Europe PHA Market Size 2016-2020, by Country, in USD Million
51. Table Europe PHA Market Size 2016-2020, by Country, in MT
52. Table Asia-Pacific PHA Market Size 2016-2020, by Country, in USD Million
53. Table Asia-Pacific PHA Market Size 2016-2020, by Country, in MT
54. Table South America PHA Market Size 2016-2020, by Country, in USD Million
55. Table South America PHA Market Size 2016-2020, by Country, in MT
56. Table Middle East & Africa PHA Market Size 2016-2020, by Country, in USD Million
57. Table Middle East & Africa PHA Market Size 2016-2020, by Country, in MT
58. Table PHA Market Forecast 2021-2026, by Region, in USD Million
59. Table PHA Market Forecast 2021-2026, by Region, in MT
60. Table Price Factors List

## List Of Figures

### LIST OF FIGURES

1. Figure PHA Industry Chain Structure
2. Figure Global PHA Market Growth 2016-2020, by Type, in USD Million
3. Figure Global PHA Market Growth 2016-2020, by Type, in MT
4. Figure Global PHA Sales Revenue Share in 2020, by Company, in USD Million
5. Figure Global PHA Sales Volume Share in 2020, by Company, in MT
6. Figure North America PHA Market Concentration, in 2020
7. Figure Europe PHA Market Market Concentration, in 2020
8. Figure Asia-Pacific PHA MMarket Concentration, in 2020
9. Figure South America PHA Market Concentration, in 2020
10. Figure Middle East & Africa PHA Market Concentration, in 2020
11. Figure PHA Demand in Packaging, 2016-2020, in USD Million
12. Figure PHA Demand in Packaging, 2016-2020, in MT
13. Figure PHA Demand in Biomedical, 2016-2020, in USD Million
14. Figure PHA Demand in Biomedical, 2016-2020, in MT
15. Figure PHA Demand in Agricultural, 2016-2020, in USD Million
16. Figure PHA Demand in Agricultural, 2016-2020, in MT
17. Figure PHA Demand in Food Services, 2016-2020, in USD Million
18. Figure PHA Demand in Food Services, 2016-2020, in MT
19. Figure PHA Demand in Others, 2016-2020, in USD Million
20. Figure PHA Demand in Others, 2016-2020, in MT
21. Figure PHA Market Growth 2021-2026, by Application, in USD Million
22. Figure PHA Market Share in 2026, by Application, in USD Million
23. Figure North America PHA Market Size and Growth 2016-2020, in USD Million
24. Figure North America PHA Market Size and Growth 2016-2020, in MT
25. Figure Europe PHA Market Size and Growth 2016-2020, in USD Million
26. Figure Europe PHA Market Size and Growth 2016-2020, in MT
27. Figure Asia-Pacific PHA Market Size and Growth 2016-2020, in USD Million
28. Figure Asia-Pacific PHA Market Size and Growth 2016-2020, in MT
29. Figure South America PHA Market Size and Growth 2016-2020, in USD Million
30. Figure South America PHA Market Size and Growth 2016-2020, in MT
31. Figure Middle East & Africa PHA Market Size and Growth 2016-2020, in USD Million
32. Figure Middle East & Africa PHA Market Size and Growth 2016-2020, in MT
33. Figure Marketing Channels Overview

## I would like to order

Product name: Global PHA Market Analysis 2016-2020 and Forecast 2021-2026

Product link: <https://marketpublishers.com/r/GBB1B8803424EN.html>

Price: US\$ 2,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GBB1B8803424EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970