

Biofertilizers Market by Type (Nitrogen-Fixing, Phosphate Solubilizing & Mobilizing, Potassium Solubilizing & Mobilizing), Mode of Application (Soil Treatment, Seed Treatment), Form, Crop Type and Region - Global Forecast to 2028

<https://marketpublishers.com/r/G55244AAB37EN.html>

Date: April 2023

Pages: 295

Price: US\$ 4,950.00 (Single User License)

ID: G55244AAB37EN

Abstracts

The biofertilizer market is expected to be valued USD 2.8 billion in 2022 and USD 5.2 billion by 2028, with a CAGR of 10.9% over the forecast period. Biofertilizers are commonly used in organic farming practises. Biofertilizers have been found to be helpful in terms of crop protection and soil fertility. They increase water retention capacity, boost soil fertility, and improve soil structure and texture. They are primarily used to increase crop yield, fix atmospheric nitrogen, and transform inorganic compounds into organic compounds.

“The nitrogen-fixing biofertilizers segment is expected to be gain largest market share in 2022.”

Nitrogen fixing biofertilizers are majorly used across the globe. These biofertilizers helps the plant bodies to fix the atmospheric nitrogen. These are mostly used in the leguminous crops such as peas, soybean, cowpea, etc. Microorganism such as rhizobium bacteria is highly beneficial in legume crops. Rhizobium converts dinitrogen gas into ammonia, which is then converted into organic substances such as amino acids for the better growth of crops. Apart from this, growing adoption of advanced agricultural techniques such as drip irrigation and sprinklers is also one of the major factors which is driving the growth of the segment.

“The fruits and vegetables segment is projected to accounted for the largest market share in 2022”

The primary factors anticipated to promote the use of biofertilizers in the major producing and exporting regions for fruits and vegetables include increased fruit output, high-quality fruits, decreased input costs, and increased soil organic content. The increase in the production of fruits such as strawberries, apples, grapes, pomogrenates, oranges, capsicum, bell pepper, tomato, chilli, etc. is further propelling the market.

“The soil treatment segment is forecasted to occupy for the largest market share in 2022.”

In order to boost plant output and satisfy the rising demand for food production, the use of biofertilizers by soil treatment method has become an essential component of agricultural practise. The soil treatment method assist in raising crop output, reduces the use of chemical fertilisers, improves soil fertility, produces better outcomes, and enhances soil quality by 20 to 30%. To improve the microbiome, certain bacteria, fungus, and other microorganisms are added to ploughed soil in soil treatment method. These species include algae and protozoa.

“North American market is projected to gain largest market share during the forecast period.”

North America is the largest market for the biofertilizers. This is due to the higher production of fruits and vegetables in the region. In North American region wheat, barley, corn maize, tomatoes, grapes, pome fruits and stone fruits are the majorly cultivated crops. These crops are also exported to different parts of the world in large quantities. This has led to the increase in the utilization of biofertilizers. The demand for the organically grown crops has also fueled the growth of the biofertilizers market in the region.

Break-up of Primaries:

By Company type: Tier 1 – 35%, Tier 2 – 45%, and Tier 3 – 20%

By Designation: C level – 35%, Director level – 25%, Others – 40%

By Geography: North America– 40%, Asia Pacific – 30%, Europe –20%, South America- 5% and RoW 5%

Some Leading players profiled in this report:

Novozymes (Denmark)

UPL (India)

Chr. Hansen Holding A/S (Denmark)

Syngenta (Switzerland)

T.Stanes and Company Limited (India)

Lallemand Inc. (Canada)

Rizobacter Argentina S.A. (Argentina)

Vegalab SA (Switzerland)

Research Coverage:

This research report categorizes the biofertilizers market by type (nitrogen-fixing biofertilizers, phosphate solubilizing & mobilizing biofertilizers, potassium solubilizing & mobilizing biofertilizers and other types), by crop type (cereals & grains, pulses & oilseeds, fruits & vegetables, other crop types), by mode of application (soil treatment, seed treatment), by form (liquid and carrier-based), and region (North America, Europe, Asia Pacific, South America, and RoW). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the biofertilizers market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions; key strategies; partnerships, agreements; new product launches, mergers and acquisitions, and recent developments associated with the biofertilizers market. Competitive analysis of upcoming startups in the biofertilizers market ecosystem is covered in this report.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall biofertilizers market

and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (growth in organic food industry, initiatives by government agencies and increase in awareness pertaining to need for sustainability in modern agriculture, hazards of using chemical fertilizers and increase in environmental concerns, increase in usage of biofertilizers in ranch and private farms, adoption of precision farming and protected agriculture, provision of range of phytohormones, macronutrients, and micronutrients), restraints (environmental and technological constraints, poor infrastructure and high initial investment, absence of well-constructed marketing routes and surrounding infrastructure), opportunities (new target markets: asia pacific & africa, increase in the production and yield of crops, increase in the utilization of liquid biofertilizers and fertigation method), and challenges (lack of awareness and low adoption rate of biofertilizers, unfavourable regulatory standards, supply of counterfeit and less-effective products) influencing the growth of the biofertilizers market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the biofertilizers market

Market Development: Comprehensive information about lucrative markets – the report analyses the biofertilizers market across varied regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the biofertilizers market

Competitive Assessment: In-depth assessment of market shares, growth strategies and product offerings of leading players like Novozymes (Denmark), UPL (India), Chr. Hansen Holding A/S (Denmark), Syngenta (Switzerland), T.Stanes and Company Limited (India), and Lallemand Inc. (Canada) among others in the biofertilizers market strategies.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

FIGURE 1 BIOFERTILIZERS: MARKET SEGMENTATION

1.3.1 INCLUSIONS AND EXCLUSIONS

1.4 REGIONS COVERED

1.5 YEARS CONSIDERED

1.6 UNITS

1.6.1 CURRENCY (VALUE UNIT)

TABLE 1 USD EXCHANGE RATES, 2018–2021

1.6.2 VOLUME UNIT

1.7 STAKEHOLDERS

1.8 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 BIOFERTILIZERS MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key industry insights

2.1.2.2 Breakdown of primary interviews

FIGURE 3 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

2.2 MARKET SIZE ESTIMATION

2.2.1 BIOFERTILIZERS MARKET SIZE ESTIMATION – SUPPLY SIDE

2.2.2 BIOFERTILIZERS MARKET SIZE ESTIMATION – DEMAND SIDE

FIGURE 4 BIOFERTILIZERS MARKET: BOTTOM-UP APPROACH

2.2.3 TOP-DOWN APPROACH

FIGURE 5 BIOFERTILIZERS MARKET: TOP-DOWN APPROACH

2.3 GROWTH RATE FORECAST ASSUMPTIONS

2.4 DATA TRIANGULATION

FIGURE 6 DATA TRIANGULATION

2.5 RECESSION IMPACT ANALYSIS

2.6 RESEARCH ASSUMPTIONS

2.7 RESEARCH LIMITATIONS & ASSOCIATED RISKS

3 EXECUTIVE SUMMARY

TABLE 2 BIOFERTILIZERS MARKET SNAPSHOT, 2023 VS. 2028

FIGURE 7 BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2023 VS. 2028 (USD MILLION)

FIGURE 8 BIOFERTILIZERS MARKET, BY TYPE, 2023 VS. 2028 (USD MILLION)

FIGURE 9 BIOFERTILIZERS MARKET, BY CROP TYPE, 2023 VS. 2028 (USD MILLION)

FIGURE 10 BIOFERTILIZERS MARKET, BY FORM, 2023 VS. 2028 (USD MILLION)

FIGURE 11 BIOFERTILIZERS MARKET SHARE (VALUE), BY REGION, 2022

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR BIOFERTILIZERS MARKET PLAYERS

FIGURE 12 NORTH AMERICA TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD

4.2 EUROPE: BIOFERTILIZERS MARKET, BY KEY FUNCTION AND COUNTRY

FIGURE 13 FRANCE AND CEREALS & GRAINS SEGMENTS ACCOUNTED FOR LARGEST RESPECTIVE SHARES IN 2022

4.3 BIOFERTILIZERS MARKET, BY TYPE, 2023 VS. 2028

FIGURE 14 NITROGEN-FIXING BIOFERTILIZERS TO DOMINATE MARKET DURING FORECAST PERIOD

4.4 BIOFERTILIZERS MARKET, BY CROP TYPE, 2023 VS. 2028

FIGURE 15 FRUITS & VEGETABLES TO DOMINATE MARKET DURING FORECAST PERIOD

4.5 BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2023 VS. 2028

FIGURE 16 SOIL TREATMENT TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD

4.6 BIOFERTILIZERS MARKET, BY FORM, 2023 VS. 2028

FIGURE 17 LIQUID FORM TO DOMINATE MARKET DURING FORECAST PERIOD

4.7 BIOFERTILIZERS MARKET, BY APPLICATION AND REGION, 2023 VS. 2028

FIGURE 18 NORTH AMERICA TO DOMINATE MARKET DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MACROECONOMIC INDICATORS INFLUENCING BIOFERTILIZERS MARKET

5.2.1 POPULATION GROWTH AND DEMAND FOR DIVERSE FOOD PRODUCTS

FIGURE 19 POPULATION GROWTH TREND, BY REGION, 1950–2050 (MILLION)

5.2.2 INCREASE IN ORGANIC FARM AREA

FIGURE 20 ORGANIC FARM AREA GROWTH TREND, BY KEY COUNTRY, 2016–2019 ('000 HA)

5.2.3 INCREASE IN PRODUCTION OF FRUITS & VEGETABLES

FIGURE 21 AREA HARVESTED UNDER FRUITS, VEGETABLES, AND OTHER HIGH-VALUE CROPS, 2015-2019 (MILLION HA)

5.3 MARKET DYNAMICS

FIGURE 22 MARKET DYNAMICS: BIOFERTILIZERS MARKET

5.3.1 DRIVERS

5.3.1.1 Growth in organic food industry

FIGURE 23 ORGANIC RETAIL SALES, 2016–2019 (USD MILLION)

FIGURE 24 ORGANIC RETAIL SALES, 2017 VS 2018 (USD MILLION)

FIGURE 25 SHARE OF ORGANIC FRESH PRODUCE SALES AND VOLUME 1ST QUARTER, 2021

5.3.1.2 Increase in awareness of need for sustainable in modern agriculture methods

5.3.1.3 Hazards of using chemical fertilizers and increase in environmental concerns

5.3.1.4 Increase in usage of biofertilizers in ranch and private farms

FIGURE 26 GROWTH TRENDS OF ORGANIC PRODUCERS, 2016–2019

5.3.1.5 Adoption of precision farming and protected agriculture

5.3.1.6 Provision of range of phytohormones, macronutrients, and micronutrients

5.3.2 RESTRAINTS

5.3.2.1 Environmental and technological constraints

5.3.2.2 Poor infrastructure and high initial investment

5.3.2.3 Absence of well-constructed marketing routes and surrounding infrastructure

5.3.3 OPPORTUNITIES

5.3.3.1 New target markets: Asia Pacific & Africa

5.3.3.2 Increase in production and yield of crops

5.3.3.3 Increase in utilization of liquid biofertilizers and fertigation method

5.3.4 CHALLENGES

5.3.4.1 Lack of awareness and low adoption rate of biofertilizers

5.3.4.2 Unfavorable regulatory standards

5.3.4.3 Supply of counterfeit and less-effective products

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS

FIGURE 27 VALUE CHAIN ANALYSIS OF BIOFERTILIZERS MARKET

6.3 SUPPLY CHAIN ANALYSIS

6.3.1 PROMINENT COMPANIES

6.3.2 SMALL AND MEDIUM ENTERPRISES (SME)

6.3.3 END USERS

6.3.4 KEY INFLUENCERS

FIGURE 28 BIOFERTILIZERS MARKET: SUPPLY CHAIN

6.4 TECHNOLOGY ANALYSIS

6.4.1 TECHNOLOGICAL ADVANCEMENTS FOR LIQUID BIO-FERTILIZERS

6.5 PRICE TREND ANALYSIS

6.5.1 AVERAGE SELLING PRICES, BY TYPE

FIGURE 29 GLOBAL AVERAGE SELLING PRICES, BY TYPE

TABLE 3 BIOFERTILIZERS: AVERAGE SELLING PRICE (ASP), BY REGION, 2020–2022 (USD/TON)

TABLE 4 BIOFERTILIZERS: AVERAGE SELLING PRICE (ASP), BY TYPE, 2020–2022 (USD/TON)

6.6 MARKET MAPPING AND ECOSYSTEM ANALYSIS

6.6.1 SUPPLY-SIDE ANALYSIS

6.6.2 DEMAND-SIDE ANALYSIS

FIGURE 30 BIOFERTILIZERS MARKET MAPPING

TABLE 5 BIOFERTILIZERS MARKET: SUPPLY CHAIN ECOSYSTEM

6.7 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS BUSINESS

FIGURE 31 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

6.8 TRADE ANALYSIS

TABLE 6 EXPORT VALUE OF ANIMAL OR VEGETABLE FERTILIZERS, BY KEY COUNTRY, 2021

TABLE 7 IMPORT VALUE OF ANIMAL OR VEGETABLE FERTILIZERS, BY KEY COUNTRY, 2021

TABLE 8 EXPORT VALUE OF ANIMAL OR VEGETABLE FERTILIZERS, BY KEY COUNTRY, 2020

TABLE 9 IMPORT VALUE OF ANIMAL OR VEGETABLE FERTILIZERS, BY KEY COUNTRY, 2020

TABLE 10 EXPORT VALUE OF ANIMAL OR VEGETABLE FERTILIZERS, BY KEY COUNTRY, 2019

TABLE 11 IMPORT VALUE OF ANIMAL OR VEGETABLE FERTILIZERS, BY KEY COUNTRY, 2019

6.9 PATENT ANALYSIS

FIGURE 32 PATENTS GRANTED FOR BIOFERTILIZERS MARKET, 2012–2022

FIGURE 33 REGIONAL ANALYSIS OF PATENT GRANTED FOR BIOFERTILIZERS MARKET, 2012–2022

TABLE 12 PATENTS PERTAINING TO BIOFERTILIZERS, 2020–2022

6.10 PORTER'S FIVE FORCES ANALYSIS

TABLE 13 BIOFERTILIZERS MARKET: PORTER'S FIVE FORCES ANALYSIS

6.10.1 INTENSITY OF COMPETITIVE RIVALRY

6.10.2 BARGAINING POWER OF SUPPLIERS

6.10.3 BARGAINING POWER OF BUYERS

6.10.4 THREAT OF SUBSTITUTES

6.10.5 THREAT OF NEW ENTRANTS

6.11 CASE STUDIES

TABLE 14 IDENTIFICATION OF MARKET OPPORTUNITIES FOR BIOFERTILIZERS IN NORTH AMERICA

TABLE 15 HIGH ADOPTION OF ORGANIC GROWTH STRATEGIES BY KEY PLAYERS

6.12 KEY CONFERENCES AND EVENTS

TABLE 16 KEY CONFERENCES AND EVENTS IN BIOFERTILIZERS MARKET, 2023

6.13 TARIFF AND REGULATORY LANDSCAPE

TABLE 17 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 18 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 19 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 20 SOUTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

6.14 REGULATORY FRAMEWORK

6.14.1 NORTH AMERICA

6.14.1.1 US

6.14.1.2 Canada

6.14.2 EUROPE

6.14.2.1 Spain

6.14.2.2 Italy

6.14.3 ASIA PACIFIC

6.14.3.1 China

6.14.3.2 Australia

TABLE 21 ENVIRONMENTAL STUDY ISSUES TO BE CONSIDERED IN APPLICATION

6.14.3.3 India

6.14.4 SOUTH AMERICA

6.14.4.1 Brazil

6.15 KEY STAKEHOLDERS AND BUYING CRITERIA

6.15.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 34 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR KEY TYPE

TABLE 22 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE TYPE

6.15.2 BUYING CRITERIA

TABLE 23 KEY CRITERIA FOR SELECTING SUPPLIERS/VENDORS

FIGURE 35 KEY CRITERIA FOR SELECTING SUPPLIERS/VENDORS

7 BIOFERTILIZERS MARKET, BY TYPE

7.1 INTRODUCTION

TABLE 24 RHIZOBACTERIA USED IN PRODUCTION OF BIOFERTILIZERS, AND THEIR IMPACT ON PLANT PRODUCTIVITY

FIGURE 36 NITROGEN-FIXING BIOFERTILIZERS SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 25 BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 26 BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 27 BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 28 BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (KT)

7.2 NITROGEN-FIXING BIOFERTILIZERS

7.2.1 NITROGEN-FIXING BIOFERTILIZERS TO ENHANCE AGRICULTURAL PRODUCTIVITY

TABLE 29 NITROGEN-FIXING BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 30 NITROGEN-FIXING BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 31 NITROGEN-FIXING BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (KT)

TABLE 32 NITROGEN-FIXING BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (KT)

7.3 PHOSPHATE SOLUBILIZING & MOBILIZING BIOFERTILIZERS

7.3.1 LOW AVAILABILITY OF PHOSPHORUS IN SOIL TO IMPACT GROWTH OF PLANTS

TABLE 33 PHOSPHATE SOLUBILIZING & MOBILIZING BIOFERTILIZERS MARKET,

BY REGION, 2018–2022 (USD MILLION)

TABLE 34 PHOSPHATE SOLUBILIZING & MOBILIZING BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 35 PHOSPHATE SOLUBILIZING & MOBILIZING BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (KT)

TABLE 36 PHOSPHATE SOLUBILIZING & MOBILIZING BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (KT)

7.4 POTASSIUM SOLUBILIZING & MOBILIZING BIOFERTILIZERS

7.4.1 HIGHER ADOPTION OF CARRIER-BASED POTASH SOLUBILIZING BIOFERTILIZERS FOR BETTER YIELDS

TABLE 37 POTASSIUM SOLUBILIZING & MOBILIZING BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 38 POTASSIUM SOLUBILIZING & MOBILIZING BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 39 POTASSIUM SOLUBILIZING & MOBILIZING BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (KT)

TABLE 40 POTASSIUM SOLUBILIZING & MOBILIZING BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (KT)

7.5 OTHER TYPES

TABLE 41 OTHER BIOFERTILIZERS TYPES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 42 OTHER BIOFERTILIZER TYPES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 43 OTHER BIOFERTILIZERS TYPES MARKET, BY REGION, 2018–2022 (KT)

TABLE 44 OTHER BIOFERTILIZER TYPES MARKET, BY REGION, 2023–2028 (KT)

8 BIOFERTILIZERS MARKET, BY CROP TYPE

8.1 INTRODUCTION

FIGURE 37 CEREALS & GRAINS SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 45 BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 46 BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

8.2 CEREALS & GRAINS

8.2.1 SUSTAINABLE BENEFITS OF BIOFERTILIZERS TO DRIVE DEMAND FOR CEREAL CROPS

TABLE 47 CEREALS & GRAINS: BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 48 CEREALS & GRAINS: BIOFERTILIZERS MARKET, BY REGION,

2023–2028 (USD MILLION)

8.3 PULSES & OILSEEDS

8.3.1 TECHNOLOGICAL ADVANCEMENTS TO ENHANCE PULSE PRODUCTION QUALITY

TABLE 49 PULSES AND OILSEEDS: BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 50 PULSES AND OILSEEDS: BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.4 FRUITS & VEGETABLES

8.4.1 STRINGENT REGULATIONS TO INCREASE USE OF BIOLOGICAL INPUTS

TABLE 51 FRUITS & VEGETABLES: BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 52 FRUITS & VEGETABLES: BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.5 OTHER CROP TYPES

TABLE 53 OTHER CROP TYPES: BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 54 OTHER CROP TYPES: BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

9 BIOFERTILIZERS MARKET, BY MODE OF APPLICATION

9.1 INTRODUCTION

FIGURE 38 SOIL TREATMENT SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 55 BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 56 BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

9.2 SOIL TREATMENT

9.2.1 CONVENTIONAL AGRICULTURAL PRACTICES TO ENCOURAGE SOIL TREATMENT WITH USE OF BIOFERTILIZERS IN ASIA PACIFIC

TABLE 57 SOIL TREATMENT: BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 58 SOIL TREATMENT: BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3 SEED TREATMENT

9.3.1 SEED TREATMENT TO IMPROVE UPTAKE OF NUTRIENTS

TABLE 59 SEED TREATMENT: BIOFERTILIZERS MARKET, BY REGION, 2018–2022

(USD MILLION)

TABLE 60 SEED TREATMENT: BIOFERTILIZERS MARKET, BY REGION, 2023–2028

(USD MILLION)

9.4 OTHER MODES OF APPLICATION

9.4.1 FOLIAR TREATMENT TO PROVIDE FASTER RESULTS FOR NUTRITIONAL DEFICIENCIES

TABLE 61 OTHER MODES OF APPLICATION: BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 62 OTHER MODES OF APPLICATION: BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

10 BIOFERTILIZERS MARKET, BY FORM

10.1 INTRODUCTION

FIGURE 39 LIQUID SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 63 BIOFERTILIZERS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 64 BIOFERTILIZERS MARKET, BY FORM, 2023–2028 (USD MILLION)

10.2 LIQUID BIOFERTILIZERS

10.2.1 INCREASE IN TOLERANCE LIMITS OF LIQUID BIOFERTILIZERS TO DRIVE DEMAND

TABLE 65 LIQUID: BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 66 LIQUID: BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

10.3 CARRIER-BASED BIOFERTILIZERS

10.3.1 LOW SHELF LIFE TO INHIBIT MARKET GROWTH

TABLE 67 CARRIER-BASED: BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 68 CARRIER-BASED: BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

11 BIOFERTILIZERS MARKET, BY MICROORGANISM

11.1 INTRODUCTION

11.2 RHIZOBIUM

11.3 AZOSPIRILLUM

11.4 AZOTOBACTER

11.5 OTHER TYPES OF MICROORGANISM

12 BIOFERTILIZERS MARKET, BY REGION

12.1 INTRODUCTION

FIGURE 40 SPAIN IS PROJECTED TO WITNESS HIGHEST GROWTH RATE AMONG COUNTRY-LEVEL MARKETS

TABLE 69 BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 70 BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 71 BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (KT)

TABLE 72 BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (KT)

12.2 NORTH AMERICA

FIGURE 41 NORTH AMERICA: REGIONAL SNAPSHOT

12.2.1 RECESSION IMPACT ANALYSIS

FIGURE 42 NORTH AMERICA: RECESSION IMPACT ANALYSIS SNAPSHOT

TABLE 73 NORTH AMERICA: BIOFERTILIZERS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 74 NORTH AMERICA: BIOFERTILIZERS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 75 NORTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 76 NORTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 77 NORTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 78 NORTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 79 NORTH AMERICA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 80 NORTH AMERICA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

TABLE 81 NORTH AMERICA: BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 82 NORTH AMERICA: BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

TABLE 83 NORTH AMERICA: BIOFERTILIZERS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 84 NORTH AMERICA: BIOFERTILIZERS MARKET, BY FORM, 2023–2028 (USD MILLION)

12.2.2 US

12.2.2.1 Strengthening supply channels of organic products for food industries to drive demand for biofertilizers

TABLE 85 US: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 86 US: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 87 US: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 88 US: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.2.3 CANADA

12.2.3.1 Rise in organic farmlands to encourage biofertilizer manufacturers to increase production capacity

TABLE 89 CANADA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 90 CANADA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 91 CANADA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 92 CANADA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.2.4 MEXICO

12.2.4.1 Rise in exports of fruits & vegetables to increase adoption of biofertilizers among small organic producers

TABLE 93 MEXICO: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 94 MEXICO: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 95 MEXICO: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 96 MEXICO: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3 EUROPE

FIGURE 43 EUROPE: BIOFERTILIZERS MARKET SNAPSHOT

12.3.1 RECESSION IMPACT ANALYSIS

FIGURE 44 EUROPE: BIOFERTILIZERS MARKET RECESSION IMPACT ANALYSIS SNAPSHOT

TABLE 97 EUROPE: BIOFERTILIZERS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 98 EUROPE: BIOFERTILIZERS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 99 EUROPE: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 100 EUROPE: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 101 EUROPE: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 102 EUROPE: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 103 EUROPE: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 104 EUROPE: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

TABLE 105 EUROPE: BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 106 EUROPE: BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

TABLE 107 EUROPE: BIOFERTILIZERS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 108 EUROPE: BIOFERTILIZERS MARKET, BY FORM, 2023–2028 (USD MILLION)

12.3.2 GERMANY

12.3.2.1 Early adoption of EU agricultural standards and policies to drive growth of nitrogen-fixing biofertilizers market

TABLE 109 GERMANY: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 110 GERMANY: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 111 GERMANY: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 112 GERMANY: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.3 FRANCE

12.3.3.1 Need for sustainable crop production to encourage farmers to opt for organic practices

TABLE 113 FRANCE: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 114 FRANCE: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 115 FRANCE: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 116 FRANCE: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.4 ITALY

12.3.4.1 Government initiatives to provide financial support to farmers

TABLE 117 ITALY: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 118 ITALY: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 119 ITALY: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 120 ITALY: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.5 SPAIN

12.3.5.1 Increase in R&D activities to provide innovative products

TABLE 121 SPAIN: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 122 SPAIN: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 123 SPAIN: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 124 SPAIN: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.6 UK

12.3.6.1 Increased awareness pertaining to need for sustainable farming practices

TABLE 125 UK: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 126 UK: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 127 UK: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 128 UK: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.7 RUSSIA

12.3.7.1 Increased focus on production capacity of biofertilizers among agri-input players

TABLE 129 RUSSIA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 130 RUSSIA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 131 RUSSIA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 132 RUSSIA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.8 NETHERLANDS

12.3.8.1 Biological inputs to witness increase in application in greenhouse cultivation

TABLE 133 NETHERLANDS: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

MILLION)

TABLE 134 NETHERLANDS: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 135 NETHERLANDS: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 136 NETHERLANDS: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.9 REST OF EUROPE

12.3.9.1 High focus on increasing production capacity of biofertilizers among agri-input players

TABLE 137 REST OF EUROPE: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 138 REST OF EUROPE: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 139 REST OF EUROPE: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 140 REST OF EUROPE: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.10 ASIA PACIFIC

12.3.11 RECESSION IMPACT ANALYSIS

FIGURE 45 ASIA PACIFIC: BIOFERTILIZERS MARKET RECESSION IMPACT ANALYSIS SNAPSHOT

TABLE 141 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 142 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 143 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 144 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 145 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 146 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 147 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 148 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

TABLE 149 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 150 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY MODE OF

APPLICATION, 2023–2028 (USD MILLION)

TABLE 151 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 152 ASIA PACIFIC: BIOFERTILIZERS MARKET, BY FORM, 2023–2028 (USD MILLION)

12.3.11.1 India

TABLE 153 INDIA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 154 INDIA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 155 INDIA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 156 INDIA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.12 JAPAN

12.3.12.1 Increase in focus on rice production using both traditional and modern practices to drive demand

TABLE 157 JAPAN: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 158 JAPAN: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 159 JAPAN: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 160 JAPAN: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.12.2 China

TABLE 161 CHINA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 162 CHINA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 163 CHINA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 164 CHINA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.12.3 Thailand

TABLE 165 THAILAND: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 166 THAILAND: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 167 THAILAND: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 168 THAILAND: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.12.4 Australia

TABLE 169 AUSTRALIA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 170 AUSTRALIA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 171 AUSTRALIA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 172 AUSTRALIA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.12.5 Indonesia

TABLE 173 INDONESIA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 174 INDONESIA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 175 INDONESIA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 176 INDONESIA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.13 REST OF ASIA PACIFIC

12.3.13.1 Increasing awareness regarding sustainable farming practices to drive market

TABLE 177 REST OF ASIA PACIFIC: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 178 REST OF ASIA PACIFIC: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 179 REST OF ASIA PACIFIC: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 180 REST OF ASIA PACIFIC: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.14 SOUTH AMERICA

12.3.15 RECESSION IMPACT ANALYSIS

FIGURE 46 SOUTH AMERICA: BIOFERTILIZERS MARKET RECESSION IMPACT ANALYSIS SNAPSHOT

TABLE 181 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 182 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 183 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 184 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 185 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 186 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 187 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 188 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (MILLION)

TABLE 189 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 190 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

TABLE 191 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 192 SOUTH AMERICA: BIOFERTILIZERS MARKET, BY FORM, 2023–2028 (USD MILLION)

12.3.15.1 Brazil

TABLE 193 BRAZIL: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 194 BRAZIL: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 195 BRAZIL: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 196 BRAZIL: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.16 ARGENTINA

12.3.16.1 High market penetration with help of local companies

TABLE 197 ARGENTINA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 198 ARGENTINA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 199 ARGENTINA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 200 ARGENTINA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.17 REST OF SOUTH AMERICA

12.3.17.1 Biofertilizers to be used as agricultural solutions for enhancing crop productivity

TABLE 201 REST OF SOUTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 202 REST OF SOUTH AMERICA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 203 REST OF SOUTH AMERICA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 204 REST OF SOUTH AMERICA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.18 ROW

12.3.19 RECESSION IMPACT ANALYSIS

FIGURE 47 ROW: BIOFERTILIZERS MARKET RECESSION IMPACT ANALYSIS SNAPSHOT

TABLE 205 ROW: BIOFERTILIZERS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 206 ROW: BIOFERTILIZERS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 207 ROW: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 208 ROW: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 209 ROW: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (KT)

TABLE 210 ROW: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (KT)

TABLE 211 ROW: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 212 ROW: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

TABLE 213 ROW: BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2018–2022 (USD MILLION)

TABLE 214 ROW: BIOFERTILIZERS MARKET, BY MODE OF APPLICATION, 2023–2028 (USD MILLION)

TABLE 215 ROW: BIOFERTILIZERS MARKET, BY FORM, 2018–2022 (USD MILLION)

TABLE 216 ROW: BIOFERTILIZERS MARKET, BY FORM, 2023–2028 (USD MILLION)

12.3.20 AFRICA

TABLE 217 AFRICA: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 218 AFRICA: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 219 AFRICA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD

MILLION)

TABLE 220 AFRICA: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

12.3.21 MIDDLE EAST

TABLE 221 MIDDLE EAST: BIOFERTILIZERS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 222 MIDDLE EAST: BIOFERTILIZERS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 223 MIDDLE EAST: BIOFERTILIZERS MARKET, BY CROP TYPE, 2018–2022 (USD MILLION)

TABLE 224 MIDDLE EAST: BIOFERTILIZERS MARKET, BY CROP TYPE, 2023–2028 (USD MILLION)

13 COMPETITIVE LANDSCAPE

13.1 OVERVIEW

13.2 STRATEGIES ADOPTED BY KEY PLAYERS

13.3 MARKET SHARE ANALYSIS

TABLE 225 BIOFERTILIZERS MARKET: DEGREE OF COMPETITION

13.4 COMPANY REVENUE ANALYSIS OF KEY PLAYERS, 2020–2022

FIGURE 48 REVENUE ANALYSIS OF KEY PLAYERS, 2020–2022 (USD MILLION)

13.5 COMPANY EVALUATION QUADRANT (KEY PLAYERS)

13.5.1 STARS

13.5.2 EMERGING LEADERS

13.5.3 PERVASIVE PLAYERS

13.5.4 PARTICIPANTS

FIGURE 49 BIOFERTILIZERS MARKET, COMPANY EVALUATION QUADRANT, 2022 (KEY PLAYERS)

13.5.5 PRODUCT FOOTPRINT

TABLE 226 BIOFERTILIZERS: TYPE FOOTPRINT OF KEY PLAYERS

TABLE 227 BIOFERTILIZERS: FORM FOOTPRINT OF KEY PLAYERS

TABLE 228 BIOFERTILIZERS: MODE OF APPLICATION FOOTPRINT OF KEY PLAYERS

TABLE 229 BIOFERTILIZERS: REGION FOOTPRINT OF KEY PLAYERS

TABLE 230 BIOFERTILIZERS: OVERALL FOOTPRINT OF KEY PLAYERS

13.6 START-UP/SME EVALUATION QUADRANT (OTHER PLAYERS)

13.6.1 PROGRESSIVE COMPANIES

13.6.2 STARTING BLOCKS

13.6.3 RESPONSIVE COMPANIES

13.6.4 DYNAMIC COMPANIES

FIGURE 50 BIOFERTILIZERS MARKET: COMPANY EVALUATION QUADRANT, 2022
(OTHER PLAYERS)

13.6.5 COMPETITIVE BENCHMARKING OF OTHER PLAYERS

TABLE 231 DETAILED LIST OF OTHER PLAYERS

TABLE 232 COMPETITIVE BENCHMARKING (OTHER PLAYERS), 2021

13.7 COMPETITIVE SCENARIO

13.7.1 PRODUCT LAUNCHES

TABLE 233 BIOFERTILIZERS MARKET: PRODUCT LAUNCHES, 2018–2022

13.7.2 DEALS

TABLE 234 BIOFERTILIZERS MARKET: DEALS, 2018- 2022

13.7.3 OTHERS

TABLE 235 BIOFERTILIZERS MARKET: OTHERS, 2018–2022

14 COMPANY PROFILES

(Business overview, Products/Solutions/Services offered, Recent Developments, MNM view)*

14.1 KEY PLAYERS

14.1.1 NOVOZYMES

TABLE 236 NOVOZYMES: BUSINESS OVERVIEW

FIGURE 51 NOVOZYMES: COMPANY SNAPSHOT

TABLE 237 NOVOZYMES: PRODUCT LAUNCHES

TABLE 238 NOVOZYMES: DEALS
TABLE 239 NOVOZYMES: OTHERS

14.1.2 UPL

TABLE 240 UPL: BUSINESS OVERVIEW

FIGURE 52 UPL: COMPANY SNAPSHOT

TABLE 241 UPL: DEALS

14.1.3 CHR. HANSEN HOLDING A/S

TABLE 242 CHR. HANSEN HOLDING A/S: BUSINESS OVERVIEW

FIGURE 53 CHR. HANSEN HOLDING A/S: COMPANY SNAPSHOT

TABLE 243 CHR. HANSEN HOLDING A/S: DEALS

14.1.4 SYNGENTA

TABLE 244 SYNGENTA- BUSINESS OVERVIEW

FIGURE 54 SYNGENTA: COMPANY SNAPSHOT

TABLE 245 SYNGENTA: PRODUCT LAUNCHES

TABLE 246 SYNGENTA: DEALS

14.1.5 T. STANES AND COMPANY LIMITED

TABLE 247 T. STANES AND COMPANY LIMITED: BUSINESS OVERVIEW

FIGURE 55 T. STANES AND COMPANY LIMITED: COMPANY SNAPSHOT**14.1.6 LALLEMAND INC.**

TABLE 248 LALLEMAND INC.: BUSINESS OVERVIEW

TABLE 249 LALLEMAND INC.: PRODUCT LAUNCHES

14.1.7 RIZOBACTER ARGENTINA S.A.

TABLE 250 RIZOBACTER ARGENTINA S.A: BUSINESS OVERVIEW

TABLE 251 RIZOBACTER ARGENTINA S.A.: DEALS

TABLE 252 RIZOBACTER ARGENTINA S.A.: OTHERS

14.1.8 VEGALAB SA

TABLE 253 VEGALAB SA: BUSINESS OVERVIEW

TABLE 254 VEGALAB SA: DEALS

14.1.9 IPL BIOLOGICALS LIMITED

TABLE 255 IPL BIOLOGICALS LIMITED: BUSINESS OVERVIEW

14.1.10 KIWA BIO-TECH PRODUCT GROUP COOPERATION

TABLE 256 KIWA BIO-TECH PRODUCT GROUP COOPERATION: BUSINESS OVERVIEW

TABLE 257 KIWA BIO-TECH PRODUCT GROUP COOPERATION: DEALS

TABLE 258 KIWA BIO-TECH PRODUCT GROUP COOPERATION: OTHERS

14.1.11 SYMBORG

TABLE 259 SYMBORG: BUSINESS OVERVIEW

TABLE 260 SYMBORG: PRODUCT LAUNCHES

TABLE 261 SYMBORG: OTHERS

14.1.12 KAN BIOSYS

TABLE 262 KAN BIOSYS: BUSINESS OVERVIEW

14.1.13 MAPLETON AGRI BIOTECH PT LTD

TABLE 263 MAPLETON AGRI BIOTECH PT LTD: BUSINESS OVERVIEW

14.1.14 SEIPASA

TABLE 264 SEIPASA: BUSINESS OVERVIEW

TABLE 265 SEIPASA: DEALS

TABLE 266 SEIPASA: OTHERS

14.1.15 AGRILIFE

TABLE 267 AGRILIFE: BUSINESS OVERVIEW

14.2 OTHER PLAYERS**14.2.1 MANIDHARMA BIOTECH PVT LTD**

TABLE 268 MANIDHARMA BIOTECH PVT LTD: BUSINESS OVERVIEW

14.2.2 BIOMAX NATURALS

TABLE 269 BIOMAX NATURALS: BUSINESS OVERVIEW

14.2.3 JAIPUR BIO FERTILIZERS

TABLE 270 JAIPUR BIO FERTILIZERS: BUSINESS OVERVIEW

14.2.4 VALENT BIOSCIENCES

TABLE 271 VALENT BIOSCIENCES: BUSINESS OVERVIEW

14.2.5 AUMGENE BIOSCIENCES

TABLE 272 AUMGENE BIOSCIENCES: BUSINESS OVERVIEW

14.2.6 AGRINOS

14.2.7 CRIYAGEN

14.2.8 LKB BIOFERTILIZER

14.2.9 VARSHA BIOSCIENCE AND TECHNOLOGY INDIA PVT LTD

14.2.10 NUTRAMAX LABORATORIES, INC

*Details on Business overview, Products/Solutions/Services offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

15 ADJACENT AND RELATED MARKETS

15.1 INTRODUCTION

TABLE 273 ADJACENT MARKETS

15.2 RESEARCH LIMITATIONS

15.3 AGRICULTURAL BIOLOGICALS MARKET

15.3.1 MARKET DEFINITION

15.3.2 MARKET OVERVIEW

TABLE 274 AGRICULTURAL BIOLOGICALS MARKET, BY FUNCTION, 2022–2027 (USD MILLION)

15.4 INOCULANTS MARKET

15.4.1 MARKET DEFINITION

15.4.2 MARKET OVERVIEW

TABLE 275 INOCULANTS MARKET, BY TYPE, 2022–2027 (USD MILLION)

16 APPENDIX

16.1 DISCUSSION GUIDE

16.2 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

16.3 CUSTOMIZATION OPTIONS

16.4 RELATED REPORTS

16.5 AUTHOR DETAILS

I would like to order

Product name: Biofertilizers Market by Type (Nitrogen-Fixing, Phosphate Solubilizing & Mobilizing, Potassium Solubilizing & Mobilizing), Mode of Application (Soil Treatment, Seed Treatment), Form, Crop Type and Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/G55244AAB37EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G55244AAB37EN.html>