

# **Biostimulants Market by Active Ingredient (Humic Substances, Amino Acids, Seaweed Extracts, and Microbial Amendments), Mode of Application (Foliar, Soil Treatment, and Seed Treatment), Form (Liquid and Dry), Crop Type and Region - Global Forecast to 2027**

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## **Abstracts**

The global biostimulants market is estimated to be valued at USD 3.5 billion in 2022. It is projected to reach USD 6.2 billion by 2027, recording a CAGR of 11.8 % during the forecast period. The biostimulants market is projected to grow at an exponential rate due to factors such as the rise in demand for sustainable agricultural practices, growing world hunger, favorable government regulations, an increase in demand for high-value crops, and a rise in the number of investments from key players in this market.

Biostimulants can be applied in several ways, of which foliar spray is the most widely accepted application mode across the globe. However, nanoencapsulation technology and application advantages associated with seed treatment have been gaining importance in recent times for biostimulants across the globe.

Conventional farming has been heavily criticized for causing biodiversity loss, soil erosion, and increased water pollution due to the rampant usage of synthetic fertilizers and pesticides. Organic farming is widely considered a far more sustainable alternative when it comes to food production. The lack of pesticides and a wider variety of plants enhances biodiversity, improves soil quality, and reduces fertilizer or pesticide run-off pollution. Some major adopters of organic farming include Australia, Argentina, China, and Spain. To produce organic food products, different methods are adopted selection of pest-resistant varieties, suitable rotations, green manure, balanced fertilization, usage of humic-based biostimulants, early planting, mulching, cultural, mechanical & biological

control measures, and disturbance in pest life cycles is the basis of pest management programs, which is used in organic farming. Biostimulants find an important usage in organic agriculture revolution.

Key players in the biostimulants market include BASF SE (Germany), UPL (India), Valagro S.p.A (Italy), Gowan Group (US), FMC Corporation (US), ILSA S.p.A (Italy), Rallis India Limited (India), Haifa Group (Israel), Adama Ltd. (Israel), Biovert-Manvert (Spain), Koppert (Netherlands), Trade Corporation International (Spain), and AgriTecno (Spain).

“Europe is estimated to account for the largest share in 2021 with a CAGR of 11.5%.”

According to the European Environment Agency, the agricultural sector occupies a significant share of the land in Europe. Small farms characterize Europe with intensified farming systems and the cultivation of various crops. The strong agricultural sector of the region makes it one of the leading consumers of biostimulants.

The key players in the European biostimulants market include BASF SE (Germany), Valagro S.p.A. (Italy), Biovert S.L (Spain), Koppert Biological Systems (Netherlands), Tradecorp International (Spain), and AgriTecno (Spain). The European markets have a basic or minimal regulatory framework for biostimulant products. Due to this, numerous start-ups are emerging in the market, especially in Spain and Italy. However, according to a primary insight, the region will soon establish a proper regulatory framework to ensure the best products are provided in the markets.

According to many industry experts, adopting biostimulants is quite high in Spain. As a result, the country dominates the European biostimulants market. The country also has many biostimulant manufacturers, including players headquartered in Spain. For instance, Atlantica, Biovert, and Daymsa have headquarters in Spain, whereas Isagro, Valagaro, Tradecorp, and Koppert have a presence through their subsidiaries. On the other hand, the biostimulants market in Germany has high potential as its government is focusing on increasing the organic produce in the country along with increasing the share of organic agricultural area in the total agricultural land.

“Asia Pacific is projected to witness the growth of 12.5% during the forecast period.”

The agriculture industry in Asia, particularly in Southeast Asian countries, has witnessed effective transformation due to various technological advancements. This has resulted in the adoption of intensive agricultural practices and has led to a decrease in the soil's

nutrient levels. To revitalize the soil, the use of inoculants and biostimulants has been recommended by the agricultural authorities in various countries of Asia. Biostimulants enhance the physiological activities of the seed for early emergence and optimum crop development at later stages under various climatic and agronomic conditions in the region.

In the coming years, farmers will experience more difficulty in terms of environmental degradation and climatic changes unless they realize the importance of using such products that can significantly contribute to sustainable agriculture practices. The key countries studied in this region include Australia, China, Japan, Indonesia, and India. These countries utilize biostimulants for important agricultural commodities, such as cotton, sugarcane, fruits & vegetables, and cereals.

“Biostimulants are being used to improve yield and quality of fruits and vegetables”

The steady growth of the production of fruits & vegetables is expected to strengthen the demand for biostimulants. In a COVID-19 scenario, agrarian economies, such as India, Bangladesh, and Vietnam, where agriculture accounts for about 12–16% of GDP, have been affected the most. The agricultural commodity markets were stressed by the lag between the trading and physical delivery prices of agricultural produce. To mitigate the risks to agriculture, the governments have launched relief schemes and packages for the benefit of small farmers. With the reopening of many global markets, the sector is rapidly resuming production.

Break-up of Primaries:

By Value Chain: Demand side - 41%, Supply side – 59%

By Designation: Managers – 24%, CXOs – 31%, and Executives- 45.0%

By Region: Europe - 29%, Asia Pacific – 32%, North America - 24%, RoW – 15%

Leading players profiled in this report:

BASF SE (Germany)

UPL (India)

Valagro S.p.A (Italy)

Gowan Group (US)

FMC Corporation (US)

ILSA S.p.A (Italy)

Rallis India Limited (India)

Haifa Group (Israel)

Adama Ltd. (Israel)

Biovert S.L (Spain)

Koppert Biological Systems (Netherlands)

Tradecorp International (Spain)

AgriTecno (Spain)

Axeb Biotech SL (Spain)

MAFA Bioscience, S.A. (Spain)

LawrieCo (Australia)

Devi Cropscience (India)

Bioflora(US)

AgriCen (US)

Omnia Specialties Pty (Australia)

Kelp Products International (South Africa)

Afrikelp (South Africa)

AminoCore (Germany)

Aphea.Bio (Belgium)

South Agro (Italy)

#### Research Coverage:

The report segments the biostimulants market based on active ingredients mode of application, formulation, crop type, and region. In terms of insights, this report has focused on various levels of analyses—the competitive landscape, end-use analysis, and company profiles, which together comprise and discuss views on the emerging & high-growth segments of the biostimulants market, high-growth regions, countries, government initiatives, drivers, restraints, opportunities, and challenges.

#### Reasons to buy this report:

To get a comprehensive overview of the biostimulants market

To gain wide-ranging information about the top players in this industry, their product portfolios, and key strategies adopted by them

To gain insights about the major countries/regions in which the biostimulants market is flourishing

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

##### 1.1.1 MARKET DEFINITION

#### 1.2 MARKET SCOPE

##### 1.2.1 MARKET SEGMENTATION

##### FIGURE 1 BIOSTIMULANTS MARKET SEGMENTATION

##### 1.2.2 INCLUSIONS & EXCLUSIONS

##### TABLE 1 BIOSTIMULANTS MARKET: INCLUSIONS & EXCLUSIONS

##### 1.2.3 REGIONS COVERED

#### 1.3 YEARS CONSIDERED

#### 1.4 CURRENCY CONSIDERED

##### TABLE 2 USD EXCHANGE RATES CONSIDERED, 2017–2021

#### 1.5 VOLUME UNITS CONSIDERED

#### 1.6 STAKEHOLDERS

#### 1.7 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

##### FIGURE 2 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 data from primary sources

###### 2.1.2.2 Key industry insights

###### 2.1.2.3 Breakdown of primary interviews

##### FIGURE 3 BREAKDOWN OF PRIMARY INTERVIEWS

#### 2.2 MARKET SIZE ESTIMATION

##### 2.2.1 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

##### FIGURE 4 BIOSTIMULANTS MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

##### FIGURE 5 BIOSTIMULANTS MARKET SIZE ESTIMATION (DEMAND-SIDE)

##### 2.2.2 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

##### FIGURE 6 BIOSTIMULANTS MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

##### FIGURE 7 BIOSTIMULANTS MARKET SIZE ESTIMATION, BY TYPE (SUPPLY-SIDE)

#### 2.3 GROWTH RATE FORECAST ASSUMPTIONS

#### 2.4 DATA TRIANGULATION

FIGURE 8 DATA TRIANGULATION

2.5 RESEARCH ASSUMPTIONS

TABLE 3 RESEARCH ASSUMPTIONS

2.6 LIMITATIONS AND RISK ASSESSMENT

TABLE 4 LIMITATIONS AND RISK ASSESSMENT

### **3 EXECUTIVE SUMMARY**

TABLE 5 BIOSTIMULANTS MARKET SNAPSHOT, 2022 VS. 2027

FIGURE 9 BIOSTIMULANTS MARKET, BY CROP TYPE, 2022 VS. 2027 (USD MILLION)

FIGURE 10 BIOSTIMULANTS MARKET, BY TYPE, 2022 VS. 2027 (VALUE)

FIGURE 11 BIOSTIMULANTS MARKET, BY MODE OF APPLICATION, 2022 VS. 2027 (USD MILLION)

FIGURE 12 BIOSTIMULANTS MARKET: REGIONAL SNAPSHOT

### **4 PREMIUM INSIGHTS**

4.1 OPPORTUNITIES FOR PLAYERS IN BIOSTIMULANTS MARKET

FIGURE 13 EXPANSION IN ORGANIC AGRICULTURE LAND AND INCREASE IN CROP PRODUCTION

4.2 BIOSTIMULANTS MARKET, BY CROP TYPE AND REGION

FIGURE 14 EUROPE TO ACCOUNT FOR LARGEST SHARE BY 2027

4.3 EUROPE: BIOSTIMULANTS MARKET, BY KEY COUNTRY AND TYPE

FIGURE 15 SPAIN TO LEAD BIOSTIMULANTS MARKET IN 2021

4.4 BIOSTIMULANTS MARKET: MAJOR REGIONAL SUBMARKETS

FIGURE 16 ASIAN COUNTRIES TO WITNESS HIGH GROWTH DURING FORECAST PERIOD

### **5 MARKET OVERVIEW**

5.1 INTRODUCTION

5.2 MACROECONOMIC INDICATORS

5.2.1 GROWTH IN DEMAND FOR ORGANIC FOOD

FIGURE 17 TOP TEN COUNTRIES WITH SIGNIFICANT INCREASE IN ORGANIC FARMING LAND, 2019 (HECTARE)

FIGURE 18 GLOBAL ORGANIC AGRICULTURE, BY REGION, 2019

5.2.2 DAMAGE AND LOSS OF AGRICULTURAL LAND

FIGURE 19 ARABLE LAND AREA PER CAPITA, 1960–2050 (HECTARE)

## 5.3 MARKET DYNAMICS

### FIGURE 20 BIOSTIMULANTS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

#### 5.3.1 DRIVERS

5.3.1.1 Increasing need for sustainable agriculture

### TABLE 6 SUSTAINABILITY INVESTMENTS BY KEY AGRICULTURE COMPANIES

5.3.1.2 Easy availability of seaweed as raw materials

### FIGURE 21 SEAWEED PRODUCTION, BY KEY COUNTRY, 2000 VS. 2018 (MILLION TONS)

5.3.1.3 Strong demand for high-value crops

### FIGURE 22 GLOBAL PRODUCTION OF FRUITS AND VEGETABLES, 2015–2019 (MILLION TONS)

#### 5.3.2 RESTRAINTS

5.3.2.1 Commercialization of low-quality biostimulant products

#### 5.3.3 OPPORTUNITIES

5.3.3.1 Technological advancements in production of biostimulants

5.3.3.2 Significant developments in seed treatment

#### 5.3.4 CHALLENGES

5.3.4.1 Uncertainty in global biostimulant regulatory framework

## 6 INDUSTRY TRENDS

### 6.1 INTRODUCTION

### 6.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

#### TABLE 7 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

#### TABLE 8 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

#### TABLE 9 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

#### TABLE 10 SOUTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

#### TABLE 11 MIDDLE EAST: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

### 6.3 REGULATORY FRAMEWORK

#### 6.3.1 NORTH AMERICA

6.3.1.1 US

6.3.1.2 Mexico



6.3.1.3 Canada

6.3.2 EUROPE

6.3.2.1 Austria

6.3.2.2 France

6.3.2.3 Germany

6.3.2.4 Italy

6.3.2.5 Ireland

6.3.2.6 Spain

6.3.2.7 UK

6.3.3 ASIA PACIFIC

6.3.3.1 India

6.3.3.2 China

6.3.3.3 Australia

6.3.4 SOUTH AMERICA

6.3.4.1 Brazil

6.3.4.2 Chile

6.3.5 SOUTH AFRICA

6.3.6 MIDDLE EAST

6.3.6.1 Egypt

6.3.6.2 UAE

6.4 PATENT ANALYSIS

FIGURE 23 NUMBER OF PATENTS APPROVED BETWEEN 2011 AND 2021

FIGURE 24 REGIONS WITH HIGHEST NUMBER OF PATENT APPROVALS,  
2016–2022

TABLE 12 LIST OF MAJOR PATENTS, 2012–2021

6.5 VALUE CHAIN ANALYSIS

FIGURE 25 VALUE CHAIN ANALYSIS OF BIOSTIMULANTS MARKET: R&D AND  
PRODUCTION KEY CONTRIBUTORS

6.5.1 RESEARCH & PRODUCT DEVELOPMENT

6.5.2 RAW MATERIAL SOURCING

6.5.3 MANUFACTURING & PRODUCTION

6.5.4 PACKAGING, STORAGE, AND DISTRIBUTION

6.6 TRENDS/DISRUPTIONS IMPACTING BUYERS

FIGURE 26 NITROGEN-FIXING BIOSTIMULANTS AND NANOTECHNOLOGY TO BE  
HOT BETS

6.7 ECOSYSTEM ANALYSIS

FIGURE 27 ECOSYSTEM MAPPING

FIGURE 28 MARKET MAPPING

6.8 TRADE ANALYSIS

TABLE 13 EXPORT VALUE OF SEAWEEDS AND OTHER ALGAE BIOSTIMULANTS, BY KEY COUNTRY, 2021 (USD)

TABLE 14 IMPORT VALUE OF SEAWEEDS AND OTHER ALGAE BIOSTIMULANTS, BY KEY COUNTRY, 2021 (USD)

TABLE 15 IMPORT VALUE OF AMINO ACIDS AND THEIR ESTERS, BY KEY COUNTRY, 2021 (USD)

TABLE 16 EXPORT VALUE OF AMINO ACIDS AND THEIR ESTERS, BY KEY COUNTRY, 2021 (USD)

## 6.9 PRICING ANALYSIS

### 6.9.1 INTRODUCTION

### 6.9.2 AVERAGE SELLING PRICE, BY ACTIVE INGREDIENT (KEY PLAYERS)

FIGURE 29 AVERAGE SELLING PRICE, BY ACTIVE INGREDIENT (KEY PLAYERS) (USD/KG)

TABLE 17 AVERAGE SELLING PRICES FOR KEY PLAYERS, BY ACTIVE INGREDIENT (USD/KG)

FIGURE 30 AVERAGE SELLING PRICE, BY ACTIVE INGREDIENT, 2017–2021 (USD/KG)

FIGURE 31 AVERAGE SELLING PRICE, BY REGION, 2017–2021 (USD/KG)

## 6.10 TECHNOLOGY ANALYSIS

### 6.10.1 NANOENCAPSULATION TECHNOLOGY

### 6.10.2 GENETIC ENGINEERING

## 6.11 CASE STUDY ANALYSIS

6.11.1 CASE STUDY 1: BRIDGEWAY BIOSTIMULANT HELPED TREAT CLUBROOT CHALLENGE IN VEGETABLE CROPS

6.11.2 CASE STUDY 2: BIOSTIMULANTS HELPED POTATO CROPS COPE WITH ENVIRONMENTAL STRESS

## 6.12 KEY CONFERENCES AND EVENTS, 2022–2023

TABLE 18 BIOSTIMULANTS MARKET: LIST OF CONFERENCES AND EVENTS, 2022–2023

## 6.13 PORTER'S FIVE FORCES ANALYSIS

TABLE 19 PORTER'S FIVE FORCES ANALYSIS

### 6.13.1 DEGREE OF COMPETITION

### 6.13.2 THREAT FROM NEW ENTRANTS

### 6.13.3 THREAT OF SUBSTITUTES

### 6.13.4 BARGAINING POWER OF SUPPLIERS

### 6.13.5 BARGAINING POWER OF BUYERS

## 6.14 KEY STAKEHOLDERS AND BUYING CRITERIA

### 6.14.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 32 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP

## THREE MODES OF APPLICATION

TABLE 20 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE MODES OF APPLICATION

### 6.14.2 BUYING CRITERIA

FIGURE 33 KEY BUYING CRITERIA FOR TOP THREE MODES OF APPLICATION

TABLE 21 KEY BUYING CRITERIA FOR TOP THREE MODES OF APPLICATION

## **7 BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT**

### 7.1 INTRODUCTION

FIGURE 34 BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022 VS. 2027 (USD MILLION)

TABLE 22 BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 23 BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

TABLE 24 BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (KT)

TABLE 25 BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (KT)

### 7.2 HUMIC SUBSTANCES

7.2.1 RISING NEED TO REINFORCE NUTRITION UPTAKE AND ROOT ELONGATION

TABLE 26 HUMIC SUBSTANCES: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 27 HUMIC SUBSTANCES: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 28 HUMIC SUBSTANCES: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (KT)

TABLE 29 HUMIC SUBSTANCES: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (KT)

TABLE 30 HUMIC SUBSTANCES: BIOSTIMULANTS MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 31 HUMIC SUBSTANCES: BIOSTIMULANTS MARKET, BY TYPE, 2022–2027 (USD MILLION)

### 7.3 SEAWEED EXTRACTS

7.3.1 RISING AWARENESS REGARDING BENEFITS OF SEAWEED EXTRACTS

TABLE 32 SEAWEED EXTRACTS: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 33 SEAWEED EXTRACTS: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 34 SEAWEED EXTRACTS: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (KT)

TABLE 35 SEAWEED EXTRACTS: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (KT)

#### 7.4 AMINO ACIDS

7.4.1 GROWING AWARENESS REGARDING ROLE OF AMINO ACIDS IN PLANT GROWTH

TABLE 36 AMINO ACIDS: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 37 AMINO ACIDS: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 38 AMINO ACIDS: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (KT)

TABLE 39 AMINO ACIDS: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (KT)

#### 7.5 MICROBIAL AMENDMENTS

7.5.1 STIMULATING PROPERTIES OF MICROBES INCREASE PLANT NUTRIENT UPTAKE

FIGURE 35 GLOBAL CULTURE COLLECTIONS, 2020

7.5.1.1 Bacterial biostimulants

7.5.1.2 Fungal biostimulants

TABLE 40 MICROBIAL AMENDMENTS: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 41 MICROBIAL AMENDMENTS: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 42 MICROBIAL AMENDMENTS: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (KT)

TABLE 43 MICROBIAL AMENDMENTS: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (KT)

#### 7.6 OTHER ACTIVE INGREDIENTS

TABLE 44 OTHER ACTIVE INGREDIENTS: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 45 OTHER ACTIVE INGREDIENTS: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 46 OTHER ACTIVE INGREDIENTS: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (KT)

TABLE 47 OTHER ACTIVE INGREDIENTS: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (KT)

## 8 BIOSTIMULANTS MARKET, BY MODE OF APPLICATION

## 8.1 INTRODUCTION

FIGURE 36 BIOSTIMULANTS MARKET, BY MODE OF APPLICATION, 2022 VS. 2027  
(USD MILLION)

TABLE 48 BIOSTIMULANTS MARKET, BY MODE OF APPLICATION, 2017–2021  
(USD MILLION)

TABLE 49 BIOSTIMULANTS MARKET, BY MODE OF APPLICATION, 2022–2027  
(USD MILLION)

## 8.2 SEED TREATMENT

8.2.1 RISING NEED TO STIMULATE SEEDLING DEVELOPMENT AND ACTIVATE  
SOIL MICROFLORA

TABLE 50 SEED TREATMENT: BIOSTIMULANTS MARKET, BY REGION, 2017–2021  
(USD MILLION)

TABLE 51 SEED TREATMENT: BIOSTIMULANTS MARKET, BY REGION, 2022–2027  
(USD MILLION)

## 8.3 SOIL TREATMENT

8.3.1 LOW APPLICATION COST ASSOCIATED WITH SOIL TREATMENT OF  
BIOSTIMULANTS

TABLE 52 SOIL TREATMENT: BIOSTIMULANTS MARKET, BY REGION, 2017–2021  
(USD MILLION)

TABLE 53 SOIL TREATMENT: BIOSTIMULANTS MARKET, BY REGION, 2022–2027  
(USD MILLION)

## 8.4 FOLIAR SPRAY

8.4.1 STRONG DEMAND TO MAXIMIZE PRODUCTIVITY USING FOLIAR SPRAYS

TABLE 54 FOLIAR SPRAY: BIOSTIMULANTS MARKET, BY REGION, 2017–2021  
(USD MILLION)

TABLE 55 FOLIAR SPRAY: BIOSTIMULANTS MARKET, BY REGION, 2022–2027  
(USD MILLION)

# 9 BIOSTIMULANTS MARKET, BY FORMULATION

## 9.1 INTRODUCTION

FIGURE 37 BIOSTIMULANTS MARKET, BY FORMULATION, 2022 VS. 2027 (USD  
MILLION)

TABLE 56 BIOSTIMULANTS MARKET, BY FORMULATION, 2017–2021 (USD  
MILLION)

TABLE 57 BIOSTIMULANTS MARKET, BY FORMULATION, 2022–2027 (USD  
MILLION)

## 9.2 LIQUID

9.2.1 INCREASED AWARENESS REGARDING BENEFITS OF LIQUID

## FORMULATIONS

TABLE 58 LIQUID: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 59 LIQUID: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

### 9.3 DRY

9.3.1 REDUCED RISK OF CONTAMINATION IN DRY APPLICATION OF BIOSTIMULANTS

TABLE 60 DRY: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 61 DRY: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 10 BIOSTIMULANTS MARKET, BY CROP TYPE

### 10.1 INTRODUCTION

FIGURE 38 BIOSTIMULANTS MARKET, BY CROP TYPE, 2022 VS. 2027 (USD MILLION)

TABLE 62 BIOSTIMULANTS MARKET, BY CROP TYPE, 2017–2021 (USD MILLION)

TABLE 63 BIOSTIMULANTS MARKET, BY CROP TYPE, 2022–2027 (USD MILLION)

### 10.2 CEREALS & GRAINS

10.2.1 RISE IN POPULATION AND INCREASING FOOD DEMAND

TABLE 64 CEREALS & GRAINS: BIOSTIMULANTS MARKET, BY CROP TYPE, 2017–2021 (USD MILLION)

TABLE 65 CEREALS & GRAINS: BIOSTIMULANTS MARKET, BY CROP TYPE, 2022–2027 (USD MILLION)

TABLE 66 CEREALS & GRAINS: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (KT)

TABLE 67 CEREALS & GRAINS: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (KT)

#### 10.2.2 CORN

10.2.2.1 Growing need to increase corn yield for human and animal consumption

#### 10.2.3 WHEAT

10.2.3.1 Growing use of biostimulants to enhance stress tolerance in plants

#### 10.2.4 RICE

10.2.4.1 Rising demand for rice as staple diet

#### 10.2.5 OTHER CEREALS & GRAINS

### 10.3 OILSEEDS & PULSES

10.3.1 RISING NEED TO INCREASE PLANT TOLERANCE TO ABIOTIC STRESS

TABLE 68 OILSEEDS & PULSES: BIOSTIMULANTS MARKET, BY CROP TYPE, 2017–2021 (USD MILLION)

TABLE 69 OILSEEDS & PULSES: BIOSTIMULANTS MARKET, BY CROP TYPE, 2022–2027 (USD MILLION)

TABLE 70 OILSEEDS & PULSES: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 71 OILSEEDS & PULSES: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

#### 10.3.2 SOYBEAN

10.3.2.1 High industrial applications of soybean

#### 10.3.3 SUNFLOWER

10.3.3.1 Growing demand to improve vegetative and reproductive growth of sunflowers

#### 10.3.4 OTHER OILSEEDS & PULSES

### 10.4 FRUITS & VEGETABLES

#### 10.4.1 INCREASED GLOBAL CONSUMPTION OF FRUITS AND VEGETABLES

TABLE 72 FRUITS & VEGETABLES: BIOSTIMULANTS MARKET, BY CROP TYPE, 2017–2021 (USD MILLION)

TABLE 73 FRUITS & VEGETABLES: BIOSTIMULANTS MARKET, BY CROP TYPE, 2022–2027 (USD MILLION)

TABLE 74 FRUITS & VEGETABLES: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 75 FRUITS & VEGETABLES: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

#### 10.4.2 POME FRUITS

10.4.2.1 Rising need to improve balance intake of key nutrients

#### 10.4.3 CITRUS FRUITS

10.4.3.1 Increased scope of citrus fruits in food and non-food applications

#### 10.4.4 BERRIES

10.4.4.1 Biostimulants to promote harmonious growth in berries

#### 10.4.5 ROOT & TUBER VEGETABLES

10.4.5.1 Rising demand for high yield of potato varieties

#### 10.4.6 LEAFY VEGETABLES

10.4.6.1 Rising shift in consumer preference toward healthy foods

#### 10.4.7 OTHER FRUITS & VEGETABLES

#### 10.4.8 OTHER CROP TYPES

TABLE 76 OTHER CROP TYPES: BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 77 OTHER CROP TYPES: BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)



## 11 BIOSTIMULANTS MARKET, BY REGION

### 11.1 INTRODUCTION

FIGURE 39 IMPACT OF CLIMATE CHANGE ON CROP PRODUCTION, BY CROP TYPE, 2019 (MILLION TONS/YEAR)

FIGURE 40 INDIA TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 78 BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 79 BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 80 BIOSTIMULANTS MARKET, BY REGION, 2017–2021 (KT)

TABLE 81 BIOSTIMULANTS MARKET, BY REGION, 2022–2027 (KT)

### 11.2 NORTH AMERICA

TABLE 82 NORTH AMERICA: BIOSTIMULANTS MARKET, BY COUNTRY, 2017–2021 (USD MILLION)

TABLE 83 NORTH AMERICA: BIOSTIMULANTS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 84 NORTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 85 NORTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

TABLE 86 NORTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (KT)

TABLE 87 NORTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (KT)

TABLE 88 NORTH AMERICA: BIOSTIMULANTS MARKET, BY APPLICATION METHOD, 2017–2021 (USD MILLION)

TABLE 89 NORTH AMERICA: BIOSTIMULANTS MARKET, BY APPLICATION METHOD, 2022–2027 (USD MILLION)

TABLE 90 NORTH AMERICA: BIOSTIMULANTS MARKET, BY CROP TYPE, 2017–2021 (USD MILLION)

TABLE 91 NORTH AMERICA: BIOSTIMULANTS MARKET, BY CROP TYPE, 2022–2027 (USD MILLION)

TABLE 92 NORTH AMERICA: BIOSTIMULANTS MARKET, BY FORMULATION, 2017–2021 (USD MILLION)

TABLE 93 NORTH AMERICA: BIOSTIMULANTS MARKET, BY FORMULATION, 2022–2027 (USD MILLION)

#### 11.2.1 US

11.2.1.1 Adoption of biostimulants to strengthen crop vigor

FIGURE 41 ORGANIC FOOD MARKET FOR KEY COUNTRIES, 2020 (USD BILLION)

TABLE 94 US: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021



(USD MILLION)

TABLE 95 US: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027

(USD MILLION)

#### 11.2.2 CANADA

11.2.2.1 Rising need to mitigate abiotic stress in crops due to climatic changes

TABLE 96 CANADA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2017–2021 (USD MILLION)

TABLE 97 CANADA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (USD MILLION)

#### 11.2.3 MEXICO

11.2.3.1 Steady growth of agricultural industry

TABLE 98 MEXICO: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2017–2021 (USD MILLION)

TABLE 99 MEXICO: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (USD MILLION)

#### 11.3 EUROPE

FIGURE 42 EUROPE: MARKET SNAPSHOT

TABLE 100 EUROPE: BIOSTIMULANTS MARKET, BY COUNTRY, 2017–2021 (USD  
MILLION)

TABLE 101 EUROPE: BIOSTIMULANTS MARKET, BY COUNTRY, 2022–2027 (USD  
MILLION)

TABLE 102 EUROPE: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2017–2021 (USD MILLION)

TABLE 103 EUROPE: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (USD MILLION)

TABLE 104 EUROPE: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2017–2021 (KT)

TABLE 105 EUROPE: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (KT)

TABLE 106 EUROPE: BIOSTIMULANTS MARKET, BY APPLICATION METHOD,  
2017–2021 (USD MILLION)

TABLE 107 EUROPE: BIOSTIMULANTS MARKET, BY APPLICATION METHOD,  
2022–2027 (USD MILLION)

TABLE 108 EUROPE: BIOSTIMULANTS MARKET, BY CROP TYPE, 2017–2021 (USD  
MILLION)

TABLE 109 EUROPE: BIOSTIMULANTS MARKET, BY CROP TYPE, 2022–2027 (USD  
MILLION)

TABLE 110 EUROPE: BIOSTIMULANTS MARKET, BY FORMULATION, 2017–2021  
(USD MILLION)

TABLE 111 EUROPE: BIOSTIMULANTS MARKET, BY FORMULATION, 2022–2027  
(USD MILLION)

#### 11.3.1 SPAIN

11.3.1.1 Increasing trade of fruit and vegetable crops

FIGURE 43 AGRICULTURAL OUTPUT IN SPAIN, 2018–2020 (USD MILLION)

TABLE 112 SPAIN: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2017–2021 (USD MILLION)

TABLE 113 SPAIN: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (USD MILLION)

#### 11.3.2 ITALY

11.3.2.1 Use of biostimulants for conventional and organic farming

TABLE 114 ITALY: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021  
(USD MILLION)

TABLE 115 ITALY: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027  
(USD MILLION)

#### 11.3.3 FRANCE

11.3.3.1 Rising need to prevent soil desertification

TABLE 116 FRANCE: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2017–2021 (USD MILLION)

TABLE 117 FRANCE: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (USD MILLION)

#### 11.3.4 GERMANY

11.3.4.1 High growth in trade and production of organic crops

TABLE 118 GERMANY: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2017–2021 (USD MILLION)

TABLE 119 GERMANY: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (USD MILLION)

#### 11.3.5 UK

11.3.5.1 Government regulations to support use of biostimulants

FIGURE 44 VEGETABLE PRODUCTION TRENDS IN UK, 2015–2018 (MILLION  
TONS)

TABLE 120 UK: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021  
(USD MILLION)

TABLE 121 UK: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027  
(USD MILLION)

#### 11.3.6 RUSSIA

11.3.6.1 Underdeveloped agricultural sector to incorporate modern sustainable  
farming methods

TABLE 122 RUSSIA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,

2017–2021 (USD MILLION)

TABLE 123 RUSSIA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (USD MILLION)

#### 11.3.7 REST OF EUROPE

TABLE 124 REST OF EUROPE: BIOSTIMULANTS MARKET, BY ACTIVE  
INGREDIENT, 2017–2021 (USD MILLION)

TABLE 125 REST OF EUROPE: BIOSTIMULANTS MARKET, BY ACTIVE  
INGREDIENT, 2022–2027 (USD MILLION)

#### 11.4 ASIA PACIFIC

FIGURE 45 AGRICULTURAL PRODUCTION IN ASIA, BY CROP TYPE, 2017–2019  
(MILLION TONS)

FIGURE 46 ASIA PACIFIC: MARKET SNAPSHOT

TABLE 126 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY COUNTRY, 2017–2021  
(USD MILLION)

TABLE 127 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY COUNTRY, 2022–2027  
(USD MILLION)

TABLE 128 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2017–2021 (USD MILLION)

TABLE 129 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (USD MILLION)

TABLE 130 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2017–2021 (KT)

TABLE 131 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT,  
2022–2027 (KT)

TABLE 132 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY APPLICATION METHOD,  
2017–2021 (USD MILLION)

TABLE 133 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY APPLICATION METHOD,  
2022–2027 (USD MILLION)

TABLE 134 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY CROP TYPE, 2017–2021  
(USD MILLION)

TABLE 135 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY CROP TYPE, 2022–2027  
(USD MILLION)

TABLE 136 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY FORMULATION,  
2017–2021 (USD MILLION)

TABLE 137 ASIA PACIFIC: BIOSTIMULANTS MARKET, BY FORMULATION,  
2022–2027 (USD MILLION)

#### 11.4.1 CHINA

##### 11.4.1.1 Growing need to meet export quality norms

FIGURE 47 COMMODITY EXPORTS FROM CHINA, 2016–2020 (USD MILLION)

TABLE 138 CHINA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 139 CHINA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

#### 11.4.2 JAPAN

11.4.2.1 Adoption of sustainable methods of agriculture

TABLE 140 JAPAN: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 141 JAPAN: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

#### 11.4.3 INDIA

11.4.3.1 Reduction in arable land and rising demand for high-yielding technologies

TABLE 142 INDIA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 143 INDIA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

#### 11.4.4 INDONESIA

11.4.4.1 Government initiatives to minimize synthetic agrochemicals

FIGURE 48 ORGANIC PACKAGED FOOD AND BEVERAGE CONSUMPTION IN INDONESIA, 2016–2020 (USD MILLION)

TABLE 144 INDONESIA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 145 INDONESIA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

#### 11.4.5 AUSTRALIA

11.4.5.1 Increasing awareness regarding organic food products

TABLE 146 AUSTRALIA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 147 AUSTRALIA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

#### 11.4.6 REST OF ASIA PACIFIC

TABLE 148 REST OF ASIA PACIFIC: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 149 REST OF ASIA PACIFIC: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

#### 11.5 SOUTH AMERICA

TABLE 150 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY COUNTRY, 2017–2021 (USD MILLION)

TABLE 151 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY COUNTRY,

2022–2027 (USD MILLION)

TABLE 152 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 153 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

TABLE 154 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (KT)

TABLE 155 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (KT)

TABLE 156 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY APPLICATION METHOD, 2017–2021 (USD MILLION)

TABLE 157 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY APPLICATION METHOD, 2022–2027 (USD MILLION)

TABLE 158 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY CROP TYPE, 2017–2021 (USD MILLION)

TABLE 159 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY CROP TYPE, 2022–2027 (USD MILLION)

TABLE 160 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY FORMULATION, 2017–2021 (USD MILLION)

TABLE 161 SOUTH AMERICA: BIOSTIMULANTS MARKET, BY FORMULATION, 2022–2027 (USD MILLION)

#### 11.5.1 BRAZIL

11.5.1.1 Ease of use of biostimulants to drive confidence among farmers

FIGURE 49 PACKAGED ORGANIC FOOD CONSUMPTION IN BRAZIL, 2016–2020 (USD MILLION)

TABLE 162 BRAZIL: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 163 BRAZIL: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

#### 11.5.2 ARGENTINA

11.5.2.1 Growth in export of quality crops

TABLE 164 ARGENTINA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 165 ARGENTINA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

#### 11.5.3 REST OF SOUTH AMERICA

TABLE 166 REST OF SOUTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 167 REST OF SOUTH AMERICA: BIOSTIMULANTS MARKET, BY ACTIVE

INGREDIENT, 2022–2027 (USD MILLION)

11.6 REST OF THE WORLD

TABLE 168 ROW: BIOSTIMULANTS MARKET, BY COUNTRY, 2017–2021 (USD MILLION)

TABLE 169 ROW: BIOSTIMULANTS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 170 ROW: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 171 ROW: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

TABLE 172 ROW: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (KT)

TABLE 173 ROW: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (KT)

TABLE 174 ROW: BIOSTIMULANTS MARKET, BY APPLICATION METHOD, 2017–2021 (USD MILLION)

TABLE 175 ROW: BIOSTIMULANTS MARKET, BY APPLICATION METHOD, 2022–2027 (USD MILLION)

TABLE 176 ROW: BIOSTIMULANTS MARKET, BY CROP TYPE, 2017–2021 (USD MILLION)

TABLE 177 ROW: BIOSTIMULANTS MARKET, BY CROP TYPE, 2022–2027 (USD MILLION)

TABLE 178 ROW: BIOSTIMULANTS MARKET, BY FORMULATION, 2017–2021 (USD MILLION)

TABLE 179 ROW: BIOSTIMULANTS MARKET, BY FORMULATION, 2022–2027 (USD MILLION)

11.6.1 AFRICA

11.6.1.1 Growing need to develop heat-resilient crops for high output

TABLE 180 AFRICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 181 AFRICA: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

11.6.2 MIDDLE EAST

11.6.2.1 Increase in domestic consumption of crops

TABLE 182 MIDDLE EAST: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2017–2021 (USD MILLION)

TABLE 183 MIDDLE EAST: BIOSTIMULANTS MARKET, BY ACTIVE INGREDIENT, 2022–2027 (USD MILLION)

## 12 COMPETITIVE LANDSCAPE

### 12.1 OVERVIEW

### 12.2 KEY PLAYER STRATEGIES

### 12.3 SEGMENTAL REVENUE ANALYSIS OF KEY PLAYERS

FIGURE 50 SEGMENTAL REVENUE ANALYSIS OF KEY PLAYERS, 2017–2021 (USD BILLION)

### 12.4 MARKET SHARE ANALYSIS

TABLE 184 BIOSTIMULANTS MARKET: DEGREE OF COMPETITION (COMPETITIVE), 2021

### 12.5 KEY PLAYER EVALUATION QUADRANT (KEY PLAYERS)

#### 12.5.1 STARS

#### 12.5.2 EMERGING LEADERS

#### 12.5.3 PERVASIVE PLAYERS

#### 12.5.4 PARTICIPANTS

FIGURE 51 BIOSTIMULANTS MARKET: COMPANY EVALUATION QUADRANT (KEY PLAYERS), 2021

### 12.6 PRODUCT FOOTPRINT

TABLE 185 COMPANY FOOTPRINT, BY CROP TYPE

TABLE 186 COMPANY FOOTPRINT, BY FORMULATION TYPE

TABLE 187 COMPANY FOOTPRINT, BY REGION

TABLE 188 OVERALL COMPANY FOOTPRINT

### 12.7 COMPETITIVE LEADERSHIP MAPPING (STARTUPS/SMES)

#### 12.7.1 PROGRESSIVE COMPANIES

#### 12.7.2 STARTING BLOCKS

#### 12.7.3 RESPONSIVE COMPANIES

#### 12.7.4 DYNAMIC COMPANIES

FIGURE 52 BIOSTIMULANTS MARKET: COMPANY EVALUATION QUADRANT (STARTUPS/SMES), 2021

### 12.8 COMPETITIVE BENCHMARKING

TABLE 189 DETAILED LIST OF KEY STARTUPS/SMES

TABLE 190 COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

### 12.9 COMPETITIVE SCENARIO

#### 12.9.1 PRODUCT LAUNCHES

TABLE 191 PRODUCT LAUNCHES, 2017–2022

#### 12.9.2 DEALS

TABLE 192 DEALS, 2017–2022

#### 12.9.3 OTHERS

TABLE 193 OTHERS, 2017–2022



## 13 COMPANY PROFILES

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

### 13.1 KEY PLAYERS

#### 13.1.1 BASF SE

TABLE 194 BASF SE: BUSINESS OVERVIEW

FIGURE 53 BASF SE: COMPANY SNAPSHOT

TABLE 195 BASF SE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 196 BASF SE: DEALS

#### 13.1.2 UPL

TABLE 197 UPL: BUSINESS OVERVIEW

FIGURE 54 UPL: COMPANY SNAPSHOT

TABLE 198 UPL: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 199 UPL: PRODUCT LAUNCHES

TABLE 200 UPL: DEALS

#### 13.1.3 FMC CORPORATION

TABLE 201 FMC CORPORATION: BUSINESS OVERVIEW

FIGURE 55 FMC CORPORATION: COMPANY SNAPSHOT

TABLE 202 FMC CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 203 FMC CORPORATION: OTHERS

#### 13.1.4 RALLIS INDIA LIMITED

TABLE 204 RALLIS INDIA LIMITED: BUSINESS OVERVIEW

FIGURE 56 RALLIS INDIA LIMITED: COMPANY SNAPSHOT

TABLE 205 RALLIS INDIA LIMITED: PRODUCTS/SOLUTIONS/SERVICES OFFERED

#### 13.1.5 ADAMA

TABLE 206 ADAMA: BUSINESS OVERVIEW

FIGURE 57 ADAMA: COMPANY SNAPSHOT

TABLE 207 ADAMA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 208 ADAMA: DEALS

#### 13.1.6 VALAGRO

TABLE 209 VALAGRO: BUSINESS OVERVIEW

TABLE 210 VALAGRO: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 211 VALAGRO: PRODUCT LAUNCHES

TABLE 212 VALAGRO: DEALS

TABLE 213 VALAGRO: OTHERS

#### 13.1.7 GOWAN COMPANY

TABLE 214 GOWAN COMPANY: BUSINESS OVERVIEW



TABLE 215 GOWAN COMPANY: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 216 GOWAN COMPANY: DEALS

13.1.8 ILSA S.P.A.

TABLE 217 ILSA S.P.A.: BUSINESS OVERVIEW

TABLE 218 ILSA S.P.A.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

13.1.9 HAIFA GROUP

TABLE 219 HAIFA GROUP: BUSINESS OVERVIEW

TABLE 220 HAIFA GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 221 HAIFA GROUP: PRODUCT LAUNCHES

TABLE 222 HAIFA GROUP: DEALS

TABLE 223 HAIFA GROUP: OTHERS

13.1.10 BIOVERT S.L.

TABLE 224 BIOVERT S.L.: BUSINESS OVERVIEW

TABLE 225 BIOVERT S.L.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 226 BIOVERT S.L.: PRODUCT LAUNCHES

13.1.11 KOPPERT

TABLE 227 KOPPERT: BUSINESS OVERVIEW

TABLE 228 KOPPERT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

13.1.12 TRADE CORPORATION INTERNATIONAL

TABLE 229 TRADE CORPORATION INTERNATIONAL: BUSINESS OVERVIEW

TABLE 230 TRADE CORPORATION INTERNATIONAL:

PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 231 TRADE CORPORATION INTERNATIONAL: DEALS

TABLE 232 TRADE CORPORATION INTERNATIONAL: OTHERS

13.1.13 AGRITECNO

TABLE 233 AGRITECNO: BUSINESS OVERVIEW

TABLE 234 AGRITECNO: PRODUCTS/SOLUTIONS/SERVICES OFFERED

13.1.14 AXEB BIOTECH SL

TABLE 235 AXEB BIOTECH SL: BUSINESS OVERVIEW

TABLE 236 AXEB BIOTECH SL: PRODUCTS/SOLUTIONS/SERVICES OFFERED

13.1.15 MAFA BIOSCIENCE

TABLE 237 MAFA BIOSCIENCE: BUSINESS OVERVIEW

13.2 STARTUPS/SMES

13.2.1 LAWRIECO

TABLE 238 LAWRIECO: BUSINESS OVERVIEW

13.2.2 DEVI CROPSCIENCE

TABLE 239 DEVI CROPSCIENCE: BUSINESS OVERVIEW

13.2.3 BIOFLORA

TABLE 240 BIOFLORA: BUSINESS OVERVIEW

### 13.2.4 AGRICEN

TABLE 241 AGRICEN: BUSINESS OVERVIEW

### 13.2.5 OMNIA SPECIALITIES PTY

TABLE 242 OMNIA SPECIALITIES PTY: BUSINESS OVERVIEW

### 13.2.6 KELP PRODUCTS INTERNATIONAL

### 13.2.7 AFRIKELP

### 13.2.8 AMINOCORE

### 13.2.9 APHEA.BIO

### 13.2.10 SOUTH AGRO

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

## 14 ADJACENT & RELATED MARKETS

### 14.1 INTRODUCTION

### 14.2 BIOPESTICIDES MARKET

#### 14.2.1 MARKET DEFINITION

#### 14.2.2 MARKET OVERVIEW

#### 14.2.3 LIMITATIONS

#### 14.2.4 BIOPESTICIDES MARKET, BY SOURCE

TABLE 243 BIOPESTICIDES MARKET, BY SOURCE, 2018–2021 (USD MILLION)

TABLE 244 BIOPESTICIDES MARKET, BY SOURCE, 2022–2027 (USD MILLION)

#### 14.2.5 BIOPESTICIDES MARKET, BY REGION

TABLE 245 BIOPESTICIDES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 246 BIOPESTICIDES MARKET, BY REGION, 2022–2027 (USD MILLION)

### 14.3 AGRICULTURAL BIOLOGICALS MARKET

#### 14.3.1 MARKET DEFINITION

#### 14.3.2 MARKET OVERVIEW

#### 14.3.3 LIMITATIONS

#### 14.3.4 AGRICULTURAL BIOLOGICALS MARKET, BY FUNCTION

TABLE 247 AGRICULTURAL BIOLOGICALS MARKET, BY FUNCTION, 2017–2021 (USD MILLION)

TABLE 248 AGRICULTURAL BIOLOGICALS MARKET, BY FUNCTION, 2022–2027 (USD MILLION)

#### 14.3.5 AGRICULTURAL BIOLOGICALS MARKET, BY REGION

TABLE 249 AGRICULTURAL BIOLOGICALS MARKET, BY REGION, 2017–2021 (USD MILLION)

TABLE 250 AGRICULTURAL BIOLOGICALS MARKET, BY REGION, 2022–2027 (USD MILLION)

## **15 APPENDIX**

15.1 DISCUSSION GUIDE

15.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

15.3 CUSTOMIZATION OPTIONS

15.4 RELATED REPORTS

15.5 AUTHOR DETAILS

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