

Top 10 Trends in Agricultural Biologicals Market Industry (Biopesticides, Biostimulants, Biofertilizers, Agricultural Inoculants, Agricultural Microbials, and Biological Seed Treatment) - Global Forecast to 2022

<https://marketpublishers.com/r/T18716CF801EN.html>

Date: February 2017

Pages: 230

Price: US\$ 5,650.00 (Single User License)

ID: T18716CF801EN

Abstracts

“Agricultural biologicals market is projected to grow at a CAGR of 12.76%”

The agricultural biologicals market was valued at USD 5.10 billion in 2015 and is projected to have a CAGR of 12.76% from 2016 to 2022. The increased adoption of organic products is expected to lead to the growth of the global agricultural biologicals market. Government bodies of various nations across the globe are promoting noteworthy benefits offered by agricultural biologicals, which has further boosted the growth of this market.

“Agricultural inoculants market is expected to grow at a rapid pace from 2016 to 2022”

The agricultural inoculants market is a developing sector, wherein the growth of this market is propelled by the rise in the cost & demand for fertilizers & pesticides and rise in organic and eco-friendly farming practices. Due to the high agronomic efficiency and reduced production costs of using inoculants the demand for such products is rising. Environmental concerns such as water contamination due to nitrates, acidification of soils, and greenhouse gas emissions related to the use of nitrogen fertilizers have led to an increase in the usage of inoculants containing plant growth promoting microorganisms to increase the crop yield.

“North American biological seed treatment market led with the largest share in 2015”

The biological seed treatment market is expected to grow at a high rate in the crop

protection industry. Rising demand for high potential seeds backed by higher demand for food has resulted in an increase in the growth of this market. Biological seed treatment forms a minor share in the seed treatment industry. However, this market is expected to grow due to rising health awareness among farmers with respect to the increasing toxicity of agrochemicals and strict government legislations.

“Bionematicides market to grow at a high pace globally (2016-2022)”

High level of crop infestation by nematodes, rise in biocontrol seed treatment solutions and replacement of chemical fumigants with biological products is driving the growth for this market. The European region is likely to be the fastest growing region for this market due to a higher adoption rate of biologicals for the control of nematodes.

“Europe: High growth is expected in the agricultural biologicals industry”

Europe is projected to be the fastest-growing market for the period considered for this study, due to the increase in adoption of advanced biological production techniques by farmers operating in the region. Increase in demand for agricultural biological products is likely to occur owing to the increasing number of stringent regulations in the region during the forecast period.

Break-up of Primaries:

By Company Type: Tier 1 – 50 %, Tier 2 – 30%, and Tier 3 – 20%

By Designation: C Level – 28%, Director Level – 22%, and Others – 50%

By Region: North America – 40%, Europe – 30%, Asia-Pacific – 21%, and RoW – 9%

Leading players profiled in this report:

BASF SE (Germany)

The Dow Chemical Company (U.S.)

Bayer CropScience AG (Germany)

Isagro Spa (Italy)

Novozymes A/S (Denmark)

Marrone Bio Innovation Inc. (U.S.)

Certis U.S.A LLC (U.S.)

Koppert B.V. (Netherlands)

Valent BioSciences Corporation (U.S.)

Research Coverage:

The report segments the top 10 trends in the agricultural biologicals industry and includes biopesticides, biofertilizers, biostimulants, agricultural microbials, agricultural inoculants, biological seed treatment, among others. In terms of insights, this research report has focused on various levels of analyses—competitive landscape, regional market analysis, and company profiles, which together comprise and discuss the basic views on the emerging & high-growth segments of the global agricultural biologicals industry, high-growth regions, countries, government initiatives, drivers, restraints, and opportunities.

Reasons to buy this report:

To get a comprehensive overview of the agricultural biologicals industry

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 agricultural biologicals industry is flourishing

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITIONS
- 1.3 YEARS CONSIDERED
- 1.4 CURRENCY
- 1.5 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 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
- 2.2 FACTOR ANALYSIS
 - 2.2.1 INTRODUCTION
 - 2.2.2 DEMAND-SIDE ANALYSIS
 - 2.2.2.1 Increasing food demand by the growing population
 - 2.2.2.2 Dynamic growth in the organic food industry
 - 2.2.3 SUPPLY-SIDE ANALYSIS
 - 2.2.3.1 Growth in biofertilizers and biopesticides markets
 - 2.2.3.2 Fluctuation in raw material prices
- 2.3 MARKET SIZE ESTIMATION
- 2.4 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.5 RESEARCH ASSUMPTIONS AND LIMITATIONS
 - 2.5.1 ASSUMPTIONS
 - 2.5.2 LIMITATIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE AGRICULTURAL BIOLOGICALS MARKET
- 4.2 AGRICULTURAL BIOLOGICALS MARKET: BY TYPE
- 4.3 BIOPESTICIDES

4.4 LIFE CYCLE ANALYSIS: AGRICULTURAL BIOLOGICALS MARKET

5 AGRICULTURAL BIOLOGICALS

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Need for new innovations to meet increasing food demand

5.2.1.2 Reduced chemical hazards and easier residue management

5.2.1.3 Improved results in yield, quality, and productivity

5.2.1.4 Promotions and aid by government agencies

5.2.2 RESTRAINTS

5.2.2.1 Barriers in adoption leading to lower penetration of biologicals

5.2.2.2 Ease of availability and application of chemical fertilizers

5.2.2.3 Lack of awareness regarding the use of biologicals

5.2.3 OPPORTUNITIES

5.2.3.1 Rapid growth in the use of microbial seed treatment products

5.2.3.2 Increased adoption of biologicals in developing countries

5.2.4 CHALLENGES

5.2.4.1 Poor infrastructure

5.3 COMPETITIVE LANDSCAPE

5.3.1 COMPANY SHARE ANALYSIS

5.3.2 COMPETITIVE SITUATION AND TRENDS

5.3.3 PARTNERSHIPS, AGREEMENTS, JOINT VENTURES, ALLIANCES, COLLABORATIONS

5.3.4 NEW PRODUCT LAUNCHES

5.3.5 EXPANSIONS & INVESTMENTS

5.3.6 ACQUISITIONS

5.4 REGIONAL MARKET ANALYSIS

6 BIOPESTICIDES

6.1 INTRODUCTION

6.2 MARKET DYNAMICS

6.2.1 DRIVERS

6.2.1.1 Growth in the demand for organic food

6.2.1.2 Promotion by government agencies

6.2.1.3 Heavy crop loss due to pest attacks

6.2.1.4 Awareness regarding the hazards of chemical pesticides

6.2.1.5 Rise in the costs of chemical fertilizers & pesticides

6.2.2 RESTRAINTS

6.2.2.1 Lack of awareness & low adoption rate of biopesticides

6.2.2.2 Lack of infrastructure

6.2.2.3 Short shelf life of biopesticides

6.2.3 OPPORTUNITIES

6.2.3.1 Rapid growth in bio-control seed treatment solutions

6.2.3.2 Use of essential oil-based insecticides in organic agriculture

6.2.3.3 New target markets: Asia-Pacific & Latin America

6.2.4 CHALLENGES

6.2.4.1 Technological & environmental constraints

6.3 COMPETITIVE LANDSCAPE

6.4 COMPETITIVE SITUATION & TRENDS

6.5 MARKET SHARE ANALYSIS OF THE BIOPESTICIDES MARKET

6.5.1 EXPANSIONS & INVESTMENTS

6.5.2 MERGERS & ACQUISITIONS

6.5.3 NEW PRODUCT DEVELOPMENTS

6.5.4 AGREEMENTS, COLLABORATIONS, PARTNERSHIPS & JOINT VENTURES

6.6 REGIONAL MARKET ANALYSIS

7 BIOHERBICIDES

7.1 INTRODUCTION

7.2 MARKET DYNAMICS

7.2.1 DRIVERS

7.2.1.1 Increasing demand for organic products

7.2.1.2 Reduced chemical hazards and easier residue management

7.2.1.3 Support from the government

7.2.2 RESTRAINTS

7.2.2.1 Low consumer adoption & awareness

7.2.2.2 Low availability & low shelf life of bioherbicides

7.2.3 OPPORTUNITIES

7.2.3.1 Advances in research & development and integrated pest management (IPM)

7.2.3.2 Rapid growth in biocontrol seed treatment solutions

7.2.3.3 Progress in new & emerging markets: Latin America & Asia-Pacific

7.2.4 CHALLENGES

7.2.4.1 Requirement of new skills & technology

7.2.4.2 Product limitations of bioherbicides

7.3 COMPETITIVE LANDSCAPE

- 7.3.1 COMPETITIVE SITUATION & TRENDS
- 7.3.2 NEW PRODUCT LAUNCHES & PRODUCT REGISTRATIONS
- 7.3.3 EXPANSIONS
- 7.3.4 AGREEMENTS
- 7.3.5 ACQUISITIONS & INVESTMENTS
- 7.3.6 PARTNERSHIPS
- 7.3.7 RESEARCH & DEVELOPMENT
- 7.4 REGIONAL MARKET ANALYSIS

8 BIOINSECTICIDES

8.1 INTRODUCTION

8.2 MARKET DYNAMICS

8.2.1 DRIVERS

- 8.2.1.1 Increase in insect attacks due to climate change
- 8.2.1.2 Industrial promotions in biotechnology and Integrated Pest Management techniques
- 8.2.1.3 Government promoting biocontrol products to avoid insecticide-resurgence pest outbreaks

8.2.2 RESTRAINTS

- 8.2.2.1 Lack of adequate infrastructure
- 8.2.2.2 Lack of awareness & low adoption rate of bioinsecticides
- 8.2.2.3 Low shelf-life of bioinsecticide products
- 8.2.2.4 Seasonal demand for bioinsecticide products

8.2.3 OPPORTUNITIES

- 8.2.3.1 Strengthening of supply chain management in order to increase the usage of bioinsecticides
- 8.2.3.2 Providing innovative products for niche and untapped bioinsecticide application markets
- 8.2.3.3 Growth in organic farming practices

8.2.4 CHALLENGES

- 8.2.4.1 Increase in export orientation
- 8.2.4.2 Highly fragmented bioinsecticides market

8.3 COMPETITIVE LANDSCAPE

8.4 COMPETITIVE TRENDS

- 8.4.1 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES, AND COLLABORATIONS
- 8.4.2 INVESTMENTS & EXPANSIONS
- 8.4.3 NEW PRODUCT DEVELOPMENTS

8.4.4 ACQUISITIONS

8.5 REGIONAL MARKET ANALYSIS

9 BIONEMATOCIDES

9.1 INTRODUCTION

9.2 MARKET DYNAMICS

9.2.1 DRIVERS

9.2.1.1 High level of crop infestation by nematodes

9.2.1.2 Rapid growth in biocontrol seed treatment solutions

9.2.1.3 Phasing out of chemical fumigant nematicides due to environmental concerns

9.2.1.4 Sustainability initiatives and increased adoption of agricultural biological products

9.2.1.5 Integrated pest management techniques

9.2.2 RESTRAINTS

9.2.2.1 Slow speed of action on target pests and low shelf life

9.2.2.2 Barriers in adoption of bionematicides

9.2.3 OPPORTUNITIES

9.2.3.1 Stringent environmental regulations against chemical/traditional nematicides

9.2.3.2 Constant R&D activities, product launches, and developments

9.2.3.3 Use of plant-based nematicides in organic agriculture and horticulture

9.2.4 CHALLENGES

9.2.4.1 Requires new skill and understanding of nematode infestation

9.3 COMPETITIVE LANDSCAPE

9.4 COMPETITIVE SITUATION & TRENDS

9.4.1 AGREEMENTS

9.4.2 ACQUISITIONS

9.4.3 EXPANSIONS

9.4.4 NEW PRODUCT LAUNCHES

9.4.5 INVESTMENTS & PARTNERSHIPS

9.5 REGIONAL MARKET ANALYSIS

10 BIOSTIMULANTS

10.1 INTRODUCTION

10.2 MARKET DYNAMICS

10.2.1 DRIVERS

10.2.1.1 Need for sustainable way to improve crop yield and quality

10.2.1.1.1 Enhancing stress response in crops during harsh conditions

- 10.2.1.1.2 Restoring and enriching degraded soils
- 10.2.1.2 Easier raw material availability and limited investments
- 10.2.2 RESTRAINTS
 - 10.2.2.1 Lack of awareness among farmers
- 10.2.3 OPPORTUNITIES
 - 10.2.3.1 Strengthen product portfolio for broad-acre crops
 - 10.2.3.2 Demand for cost-effective portfolio in developing countries
- 10.2.4 CHALLENGES
 - 10.2.4.1 Unclear legislative standardization of biostimulants
 - 10.2.4.2 Increasing number of players with similar formulations
- 10.3 COMPETITIVE LANDSCAPE
- 10.4 MARKET SCENARIO & TRENDS
- 10.5 COMPETITIVE SITUATION & TRENDS
 - 10.5.1 NEW PRODUCT LAUNCHES & DEVELOPMENTS
 - 10.5.2 EXPANSIONS & INVESTMENTS
 - 10.5.3 AGREEMENTS, COLLABORATIONS, JOINT VENTURES & PARTNERSHIPS
 - 10.5.4 ACQUISITIONS
- 10.6 REGIONAL MARKET ANALYSIS

11 BIOFERTILIZERS

- 11.1 INTRODUCTION
- 11.2 MARKET DYNAMICS
 - 11.2.1 DRIVERS
 - 11.2.1.1 Growth in the organic food industry
 - 11.2.1.2 Promotion by government agencies
 - 11.2.1.3 Hazards of chemical fertilizers
 - 11.2.1.4 Rise in the cost of chemical fertilizers & pesticides
 - 11.2.2 RESTRAINTS
 - 11.2.2.1 Technological & environmental constraints
 - 11.2.2.2 Poor infrastructure
 - 11.2.3 OPPORTUNITIES
 - 11.2.3.1 New target markets: Asia-Pacific & Latin America
 - 11.2.4 CHALLENGES
 - 11.2.4.1 Lack of awareness & low adoption rate of biofertilizers
- 11.3 COMPETITIVE LANDSCAPE
- 11.4 COMPETITIVE SITUATION & TRENDS
 - 11.4.1 EXPANSIONS & INVESTMENTS
 - 11.4.2 AGREEMENTS, COLLABORATIONS, AND JOINT VENTURES

- 11.4.3 ACQUISITIONS
- 11.4.4 NEW PRODUCT DEVELOPMENT
- 11.5 REGIONAL MARKET ANALYSIS

12 AGRICULTURAL MICROBIALS

- 12.1 INTRODUCTION
- 12.2 MARKET DYNAMICS
 - 12.2.1 DRIVERS
 - 12.2.1.1 Rise in awareness about the usage of agricultural microbials over agrochemicals
 - 12.2.1.2 Rise in the cost of fertilizers & pesticides
 - 12.2.1.3 Increase in consumer interest in organic products
 - 12.2.2 RESTRAINTS
 - 12.2.2.1 Shorter shelf-life of microbes
 - 12.2.3 OPPORTUNITIES
 - 12.2.3.1 Growth in the use of agricultural microbials in Latin American and Asia-Pacific countries
 - 12.2.4 CHALLENGES
 - 12.2.4.1 Impact of climate change on microbes
 - 12.2.4.2 Highly fragmented market
- 12.3 COMPETITIVE LANDSCAPE
- 12.4 COMPETITIVE TRENDS
 - 12.4.1 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS
 - 12.4.2 INVESTMENTS & EXPANSIONS
 - 12.4.3 NEW PRODUCT DEVELOPMENTS
 - 12.4.4 ACQUISITIONS
- 12.5 REGIONAL MARKET ANALYSIS

13 AGRICULTURAL INOCULANTS

- 13.1 INTRODUCTION
- 13.2 MARKET DYNAMICS
 - 13.2.1 DRIVERS
 - 13.2.1.1 Increase in the cost of fertilizers and pesticides
 - 13.2.1.2 Environmental concerns related to the usage of fertilizers and pesticides
 - 13.2.1.3 Increase in organic and eco-friendly farming practices
 - 13.2.1.4 Promotion by government agencies
 - 13.2.2 RESTRAINTS

- 13.2.2.1 Lack of awareness and availability
- 13.2.2.2 Physical constraints
- 13.2.3 OPPORTUNITIES
 - 13.2.3.1 Growth in the emerging Asia-Pacific market
- 13.2.4 CHALLENGE
 - 13.2.4.1 Poor infrastructure
- 13.3 COMPETITIVE LANDSCAPE
- 13.4 COMPETITIVE SITUATION & TRENDS
 - 13.4.1 EXPANSIONS & INVESTMENTS
 - 13.4.2 MERGERS & ACQUISITIONS
 - 13.4.3 NEW PRODUCT DEVELOPMENTS
 - 13.4.4 AGREEMENTS & JOINT VENTURES
- 13.5 REGIONAL MARKET ANALYSIS

14 BIOLOGICAL SEED TREATMENT

- 14.1 INTRODUCTION
- 14.2 MARKET DYNAMICS
 - 14.2.1 DRIVERS
 - 14.2.1.1 Rising costs of seeds & need to increase viability
 - 14.2.1.2 Rising world population & food requirements
 - 14.2.1.3 Reduced risk of minimum residue level
 - 14.2.1.4 Soil nutrition deficiencies created by shortened crop rotation
 - 14.2.1.5 Growing awareness among farmers in controlling soil diseases & pathogens
 - 14.2.2 RESTRAINTS
 - 14.2.2.1 Government regulations
 - 14.2.2.2 Lower shelf-life of treated seeds
 - 14.2.2.3 Lack of consistency & efficacy of the microorganisms used
 - 14.2.2.4 Lack of cohesive regulatory body for seed treatment approvals
 - 14.2.3 OPPORTUNITIES
 - 14.2.3.1 Rapid growth in biological seed treatment solutions
 - 14.2.3.2 Progress in new & emerging markets: Latin America & Asia-Pacific
 - 14.2.4 CHALLENGES
 - 14.2.4.1 Issues impacting international seed movements
- 14.3 COMPETITIVE LANDSCAPE
- 14.4 COMPETITIVE SITUATION & TRENDS
- 14.5 AGREEMENTS, COLLABORATIONS & PARTNERSHIPS
- 14.6 ACQUISITIONS
- 14.7 EXPANSIONS & INVESTMENTS

- 14.8 NEW PRODUCT LAUNCHES
- 14.9 REGIONAL MARKET ANALYSIS

15 COMPANY PROFILES

(Company at a Glance, Business Overview, Products Offered, Key Strategy, Recent Developments, SWOT Analysis & MNM View)*

- 15.1 BASF SE
- 15.2 THE DOW CHEMICAL COMPANY
- 15.3 BAYER CROPSCIENCE AG
- 15.4 ISAGRO SPA
- 15.5 NOVOZYME A/S
- 15.6 MARRONE BIO INNOVATION INC.
- 15.7 CERTIS USA LLC
- 15.8 KOPPERT B.V.
- 15.9 VALENT BIOSCIENCES CORPORATION
- 15.10 ARYSTA LIFESCIENCE LIMITED

*Details on company at a glance, recent financials, Products offered, strategies & insights, & recent developments might not be captured in case of unlisted companies.

16 APPENDIX

- 16.1 DISCUSSION GUIDE
- 16.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 16.3 INTRODUCING REVENUE TREE: REAL-TIME MARKET INTELLIGENCE
- 16.4 RECENT DEVELOPMENTS
 - 16.4.1 AGREEMENTS, CONTRACTS, PARTNERSHIPS
 - 16.4.2 NEW PRODUCT LAUNCHES
 - 16.4.3 EXPANSIONS AND INVESTMENTS
 - 16.4.4 ACQUISITIONS
- 16.5 AVAILABLE CUSTOMIZATIONS
- 16.6 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

Table 1 PARTNERSHIPS, AGREEMENTS, JOINT VENTURES, ALLIANCES, COLLABORATIONS

Table 2 NEW PRODUCT LAUNCHES

Table 3 EXPANSIONS & INVESTMENTS

Table 4 ACQUISITIONS

Table 5 BIOLOGICALS MARKET SIZE, BY REGION, 2013–2022 (USD MILLION)

Table 6 EXPANSIONS & INVESTMENTS, 2010–2016

Table 7 MERGERS & ACQUISITIONS, 2010–2016

Table 8 NEW PRODUCT DEVELOPMENTS, 2010–2016

Table 9 AGREEMENTS, COLLABORATIONS, PARTNERSHIPS & JOINT VENTURES, 2010–2016

Table 10 BIOPESTICIDES MARKET SIZE, BY REGION, 2014–2022 (USD MILLION)

Table 11 NEW PRODUCT LAUNCHES & PRODUCT REGISTRATIONS, 2011–2016

Table 12 EXPANSIONS, 2011–2016

Table 13 AGREEMENTS, 2011–2016

Table 14 ACQUISITIONS & INVESTMENTS, 2011–2016

Table 15 PARTNERSHIPS, 2011–2016

Table 16 RESEARCH & DEVELOPMENT, 2011–2016

Table 17 BIOHERBICIDES MARKET SIZE, BY REGION, 2014–2022 (USD MILLION)

Table 18 BIOHERBICIDES MARKET SIZE, BY REGION, 2014–2022 (KT)

Table 19 MEAN DISTANCE (KM) TRAVELED BY AGRO-INPUT DEALERS IN WESTERN KENYA TO ACQUIRE FARM SELECTED INPUTS:

Table 20 COMMERCIALY AVAILABLE SEASONAL BIOINSECTICIDES WORLDWIDE

Table 21 INNOVATIVE PREDATORY INSECTS REGISTERED IN CHINA, 2013

Table 22 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES, AND COLLABORATIONS, 2011–2016

Table 23 INVESTMENTS & EXPANSIONS, 2012–2016

Table 24 NEW PRODUCT DEVELOPMENTS, 2011–2015

Table 25 ACQUISITIONS, 2012–2016

Table 26 BIOINSECTICIDES MARKET SIZE, BY REGION, 2014–2022 (USD MILLION)

Table 27 BIOINSECTICIDES MARKET SIZE, BY REGION, 2014–2022 (KT)

Table 28 AGREEMENTS, 2013–2016

Table 29 ACQUISITIONS, 2012–2015

Table 30 EXPANSIONS, 2014–2015

- Table 31 NEW PRODUCT LAUNCHES, 2013–2015
- Table 32 INVESTMENTS & PARTNERSHIPS, 2012–2015
- Table 33 BIONEMATICIDES MARKET SIZE, BY REGION, 2014–2022 (USD MILLION)
- Table 34 BIONEMATICIDES MARKET SIZE, BY REGION, 2014–2022 (KT)
- Table 35 NEW PRODUCT LAUNCHES & DEVELOPMENTS, 2011–2016
- Table 36 EXPANSIONS & INVESTMENTS, 2015–2016
- Table 37 AGREEMENTS, COLLABORATIONS, JOINT VENTURES & PARTNERSHIPS, 2014–2016
- Table 38 ACQUISITIONS, 2014–2016
- Table 39 BIOSTIMULANTS MARKET SIZE, BY REGION, 2014–2022 (USD MILLION)
- Table 40 BIOSTIMULANTS MARKET SIZE, BY REGION, 2014–2022 ('000 HA)
- Table 41 DETAILS OF FUNDS ALLOCATED UNDER VARIOUS SCHEMES FOR THE USAGE OF BIOFERTILIZERS IN INDIA (USD MILLION)
- Table 42 AVERAGE U.S. FARM PRICES OF SELECTED FERTILIZERS (USD PER MATERIAL SHORT TON)
- Table 43 MEAN DISTANCE TRAVELLED BY AGRO-INPUT DEALERS TO ACQUIRE FARM INPUTS IN THE AFRICAN REGION (KM)
- Table 44 EXPANSIONS & INVESTMENTS, 2010–2015
- Table 45 AGREEMENTS, COLLABORATIONS, AND JOINT VENTURES, 2011–2016
- Table 46 ACQUISITIONS, 2010–2016
- Table 47 NEW PRODUCT DEVELOPMENT, 2010–2016
- Table 48 BIOFERTILIZERS MARKET SIZE, BY REGION, 2014-2022 (USD MILLION)
- Table 49 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS, 2015-2016
- Table 50 INVESTMENTS & EXPANSIONS, 2015–2016
- Table 51 NEW PRODUCT DEVELOPMENTS, 2013-2016
- Table 52 ACQUISITIONS, 2013-2015
- Table 53 AGRICULTURAL MICROBIALS MARKET SIZE, BY REGION, 2014–2022 (USD MILLION)
- Table 54 MEAN DISTANCE (KM.) TRAVELLED BY AGRO-INPUT DEALERS TO ACQUIRE FARM INPUTS IN AFRICA
- Table 55 EXPANSIONS & INVESTMENTS, 2010–2016
- Table 56 MERGERS & ACQUISITIONS, 2010–2016
- Table 57 NEW PRODUCT DEVELOPMENTS, 2010–2016
- Table 58 AGREEMENTS & INVESTMENTS, 2010–2016
- Table 59 AGRICULTURAL INOCULANTS MARKET, BY REGION, 2014–2022 (USD MILLION)
- Table 60 AGREEMENTS, COLLABORATIONS & PARTNERSHIPS, 2011-2015
- Table 61 ACQUISITIONS, 2013-2014

Table 62 EXPANSIONS & INVESTMENTS, 2012-2014

Table 63 NEW PRODUCT LAUNCHES, 2011-2015

Table 64 BIOLOGICAL SEED TREATMENT MARKET SIZE, BY REGION, 2014-2022
(USD MILLION)

Table 65 AGREEMENTS, CONTRACTS, PARTNERSHIPS

Table 66 NEW PRODUCT LAUNCHES

Table 67 EXPANSIONS AND INVESTMENTS

Table 68 ACQUISITIONS

List Of Figures

LIST OF FIGURES

Figure 1 AGRICULTURAL BIOLOGICALS: RESEARCH DESIGN

Figure 2 ANNUAL FOOD LOSS/WASTAGE WAS THE HIGHEST IN FRUIT & VEGETABLES, 2013

Figure 3 RETAIL SALES OF PACKAGED ORGANIC FOOD MARKET IN THE U.K., 2007–2017, USD BILLION

Figure 4 GROWTH OF ORGANIC AGRICULTURAL LAND, 1999–2013

Figure 5 FLUCTUATION IN RAW MATERIAL PRICES (1990–2015)

Figure 6 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

Figure 7 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

Figure 8 DATA TRIANGULATION METHODOLOGY

Figure 9 AGRICULTURAL BIOLOGICALS MARKET SNAPSHOT (2016 VS. 2022): BIOPESTICIDES SEGMENT TO EXHIBIT HIGHEST GROWTH

Figure 10 AGRICULTURAL BIOLOGICALS MARKET SHARE (VALUE) IN 2015: EUROPE IS EXPECTED TO DOMINATE THE BIOLOGICALS MARKET

Figure 11 ATTRACTIVE OPPORTUNITIES IN THE AGRICULTURAL BIOLOGICALS MARKET (2016–2022)

Figure 12 BIOPESTICIDES PROJECTED TO BE THE FASTEST-GROWING SEGMENT, BY TYPE, DURING THE FORECAST PERIOD

Figure 13 NORTH AMERICA DOMINATED THE BIOPESTICIDES MARKET IN 2015

Figure 14 AGRICULTURAL BIOLOGICALS MARKET IN EUROPE REACHED THE MATURITY STAGE (2015)

Figure 15 REDUCED CHEMICAL HAZARDS AND EASIER RESIDUE MANAGEMENT DRIVING THE AGRICULTURAL BIOLOGICALS MARKET

Figure 16 COMPANIES ADOPTED NEW PRODUCT LAUNCHES AS THE KEY GROWTH STRATEGY OVER THE LAST FIVE YEARS (2011–2016)

Figure 17 AGRICULTURAL BIOLOGICALS MARKET SHARE, BY KEY PLAYER, 2015

Figure 18 PARTNERSHIPS, AGREEMENTS, JOINT VENTURES, ALLIANCES, COLLABORATIONS THE KEY STRATEGIES

Figure 19 BIOPESTICIDES: MARKET DYNAMICS

Figure 20 U.S. ORGANIC FOOD SALES, BY CATEGORY, 2005–2014

Figure 21 U.K.: RETAIL SALES OF PACKAGED ORGANIC FOOD, 2007–2015 (USD BILLION)

Figure 22 GLOBAL GROWTH OF ORGANIC LAND, 1999–2013 (MILLION HA)

Figure 23 COMPANIES ADOPTED AGREEMENTS, COLLABORATIONS, PARTNERSHIPS & JOINT VENTURES AS THE KEY GROWTH STRATEGY FOR

2010 TO 2016

Figure 24 AGREEMENTS, COLLABORATIONS, PARTNERSHIPS & JOINT VENTURES FUELED GROWTH AND INNOVATION (2014 TO 2016)

Figure 25 BIOPESTICIDES MARKET SHARE, BY KEY PLAYER, 2015

Figure 26 AGREEMENTS, COLLABORATIONS, PARTNERSHIPS & JOINT VENTURES WAS THE MOST POPULAR GROWTH STRATEGY

Figure 27 ANNUAL DEVELOPMENTS IN THE COMMERCIAL BIOPESTICIDES MARKET, 2010–2016

Figure 28 BIOHERBICIDES MARKET DYNAMICS

Figure 29 U.S. ORGANIC FOOD SALES, BY CATEGORY, 2005–2014

Figure 30 EXPANSIONS AND NEW PRODUCT LAUNCHES WERE PREFERRED BY KEY BIOHERBICIDES COMPANIES FROM 2011 TO 2016

Figure 31 NEW PRODUCT LAUNCHES FUELED GROWTH & INNOVATION OF BIOHERBICIDES BETWEEN 2011 AND 2015

Figure 32 NEW PRODUCT LAUNCHES, EXPANSIONS, AND AGREEMENTS: THE KEY STRATEGIES, 2011–2016

Figure 33 RISE IN INSECT ATTACKS BOOSTING THE GROWTH OF THE BIOINSECTICIDES MARKET

Figure 34 TOP 5 INSECTICIDES IMPORTERS IN 2015 (USD MILLION)

Figure 35 SUPPLY CHAIN ANALYSIS: DISTRIBUTION STAGE PLAYS AN IMPORTANT ROLE

Figure 36 U.S. ORGANIC FOOD SALES, BY CATEGORY, 2005–2014

Figure 37 THE WORLD'S LARGEST MARKETS' ORGANIC RETAIL SALES, BY COUNTRY, 2013 (USD BILLION)

Figure 38 BUSINESS DRIVERS LINKED TO THE OPPORTUNITIES FOR THE BIOINSECTICIDES MARKET

Figure 39 KEY COMPANIES PREFERRED AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS STRATEGY, 2011 TO 2016

Figure 40 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS FUELED GROWTH FROM 2011 TO 2016

Figure 41 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS: THE KEY STRATEGIES, 2011–2016

Figure 42 ANNUAL DEVELOPMENTS IN THE BIOINSECTICIDES MARKET, 2011–2016

Figure 43 BIONEMATICIDES MARKET DYNAMICS

Figure 44 AGREEMENTS: THE MOST PREFERRED APPROACH OF KEY COMPANIES, 2010–2016

Figure 45 EXPANDING REVENUE BASE THROUGH AGREEMENTS, 2011–2013

Figure 46 AGREEMENTS WAS THE KEY STRATEGY ADOPTED BY COMPANIES IN

THE BIONEMATICIDES MARKET

Figure 47 PROMISING RESULTS AND ORGANIC PRODUCTS DRIVING MARKET DEMAND

Figure 48 GLOBAL HARVESTED AREA OF CEREALS AND OILSEEDS, 2011-2015 ('000 HA)

Figure 49 CROP HARVESTED AREA IN ASIA & SOUTH AMERICA, 2011-2013 ('000 HA)

Figure 50 ACQUISITIONS: LEADING APPROACH OF KEY COMPANIES, 2011-2016

Figure 51 NEW PRODUCT LAUNCHES: PROMINENT STRATEGY TO SUSTAIN COMPETITION

Figure 52 BIOFERTILIZERS: MARKET DYNAMICS

Figure 53 RETAIL SALES OF PACKAGED ORGANIC FOOD IN THE U.K., 2007-2017

Figure 54 GLOBAL GROWTH OF ORGANIC LAND, 1999-2013

Figure 55 U.S. ORGANIC FOOD SALES, BY CATEGORY, 2005-2014

Figure 56 EXPANSIONS & INVESTMENTS WERE PREFERRED BY BIOFERTILIZER COMPANIES FROM 2010 TO 2016

Figure 57 EXPANSIONS & INVESTMENTS: THE KEY STRATEGY BETWEEN 2012 AND 2016

Figure 58 EXPANSIONS & INVESTMENTS AND AGREEMENTS, COLLABORATIONS, AND JOINT VENTURES: THE KEY STRATEGIES, 2010–2016

Figure 59 AGRICULTURAL MICROBIALS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

Figure 60 ANNUAL AVERAGE PRICE TREND OF FERTILIZERS, —2010-2014

Figure 61 DEMAND FOR FERTILIZER NUTRIENTS, 2011–2015

Figure 62 DISTRIBUTION OF ORGANIC AGRICULTURAL LAND, BY REGION, 2014

Figure 63 KEY COMPANIES PREFERRED AGREEMENTS, PARTNERSHIPS & JOINT VENTURES & OVER THE LAST FIVE YEARS

Figure 64 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS FUELED GROWTH FROM 2011 TO 2016

Figure 65 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS: THE KEY STRATEGIES, 2011- 2016

Figure 66 INCREASING IN COST & DEMAND OF FERTILIZERS WILL RESULT IN INCREASE IN THE DEMAND FOR AGRICULTURAL INOCULANTS

Figure 67 COMPANIES ADOPTED MERGERS & ACQUISITIONS AS THE KEY GROWTH STRATEGY FROM 2010 TO 2016

Figure 68 MARKET SHARE: MERGERS & ACQUISITIONS WAS THE MOST POPULAR GROWTH STRATEGY

Figure 70 RISING SEED DEMAND BACKED BY RISING FOOD DEMAND AROUND THE GLOBE WILL DRIVE THE SEED TREATMENT MARKET GROWTH

Figure 71 DISTRIBUTION AGREEMENTS & ACQUISITIONS: LEADING APPROACH OF KEY PLAYERS

Figure 72 RESEARCH & COMMERCIALIZATION AGREEMENTS: LEADING STRATEGY FOR EFFICIENT MARKET GROWTH

Figure 73 BASF SE: COMPANY SNAPSHOT

Figure 74 BASF SE: SWOT ANALYSIS

Figure 75 THE DOW CHEMICAL COMPANY: COMPANY SNAPSHOT

Figure 76 THE DOW CHEMICAL COMPANY: SWOT ANALYSIS

Figure 77 BAYER CROPSCIENCE AG: COMPANY SNAPSHOT

Figure 78 BAYER CROPSCIENCE AG: SWOT ANALYSIS

Figure 79 ISAGRO SPA: COMPANY SNAPSHOT

Figure 80 NOVOZYMES A/S: COMPANY SNAPSHOT

Figure 81 NOVOZYMES A/S: SWOT ANALYSIS

Figure 82 MARRONE BIO INNOVATION INC.: COMPANY SNAPSHOT

I would like to order

Product name: Top 10 Trends in Agricultural Biologicals Market Industry (Biopesticides, Biostimulants, Biofertilizers, Agricultural Inoculants, Agricultural Microbials, and Biological Seed Treatment) - Global Forecast to 2022

Product link: <https://marketpublishers.com/r/T18716CF801EN.html>

Price: US\$ 5,650.00 (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/T18716CF801EN.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