

## **Top Trends in the Agricultural Biologicals Market by Agricultural Biologicals, Biocontrols, Bio fungicides, Bioinsecticides, Bio nematocides, Biostimulants, Biofertilizers, Inoculants, Pheromones, Biological Seed Treatment - Global Forecast to 2028**

Market Report | 2023-06-02 | 356 pages | MarketsandMarkets

### **AVAILABLE LICENSES:**

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

### **Report description:**

The agricultural biologicals market is projected to grow at a CAGR of 13.7% from an estimated value of USD 14.7 billion in 2023 to reach USD 27.9 billion by 2028. The market for agriculture biologicals has been experiencing significant growth in recent years due to several factors. One of the key drivers is the increasing demand for sustainable agricultural practices and the need to reduce the use of synthetic chemicals in farming. Agriculture biologicals offer a more environmentally friendly alternative, as they are typically biodegradable and have minimal negative impact on ecosystems. Another factor contributing to the growth of the agriculture biologicals market is the rising awareness among farmers about the benefits of these products. They can improve crop yields, enhance nutrient uptake, stimulate plant growth, and provide natural protection against pests and diseases. Additionally, agriculture biologicals can help in improving soil health and promoting overall sustainable farming practices. The market for agriculture biologicals encompasses a wide range of products, including biopesticides, biofertilizers, biostimulants, and other microbial-based products. Biopesticides are used for pest and disease management, while biofertilizers help in enriching the soil with beneficial nutrients. Biostimulants, on the other hand, are used to enhance plant growth and development.

"Bionematicides market to grow at the highest rate during the forecast period."

The bionematicides market is projected to experience the highest growth rate during the forecast period. Bionematicides are a type of biopesticide specifically formulated to control and manage nematode infestations in agriculture. Nematodes are microscopic worms that can cause significant damage to crops by feeding on plant roots, impairing nutrient uptake, and transmitting diseases. Several factors contribute to the anticipated growth of the bionematicides market. First and foremost, there is a growing concern regarding the environmental and health impacts of conventional chemical nematicides. These

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

chemical-based solutions often persist in the soil, leading to water contamination and detrimental effects on non-target organisms.

"Biocontrols market to be the largest subcategory market among agricultural biologicals during the forecast period."

The biocontrols market is projected to emerge as the largest subcategory market within the agriculture biologicals sector during the forecast period. Biocontrols refer to the use of beneficial living organisms or natural substances derived from them to manage pests, diseases, and weeds in agriculture. They offer an environmentally friendly and sustainable alternative to conventional chemical pesticides and herbicides. Furthermore, increasing regulatory restrictions on conventional pesticides are driving the adoption of biocontrols. Many countries are implementing stricter regulations and phasing out the use of certain chemical pesticides due to their negative environmental impacts. This regulatory environment creates a favorable market landscape for biocontrols to gain prominence and market share.

"In the biostimulants market, Europe is estimated to be the largest market in 2023."

Several factors contribute to Europe's dominance in the biostimulant market. Firstly, Europe has a strong focus on sustainable agriculture and environmental stewardship. The region has witnessed a significant shift towards organic farming practices and the reduction of chemical inputs in agriculture. Biostimulants align well with these sustainable farming goals, as they offer a natural and eco-friendly approach to crop enhancement. Additionally, Europe has a favorable regulatory framework for biostimulants. The European Union (EU) has established specific regulations and guidelines for biostimulant products, ensuring their safety and efficacy. This regulatory clarity provides confidence to manufacturers and farmers, facilitating the development, registration, and commercialization of biostimulant products in the region.

The top trends in the agricultural biologicals market are segmented market-wise, with a detailed analysis of each market by studying the individual competitive landscapes.

Breakdown of the profile of primary participants is as follows:

- By Company Type: Tier 1 - 60 %, Tier 2 - 20%, and Tier 3 - 20%
- By Designation: CXOs - 50%, Managers - 30%, and Executives - 20%
- By Region: Asia Pacific - 50%, Europe - 20%, North America - 20%, and RoW - 10%

Leading players profiled in this report

- BASF SE (Germany)
- Bayer AG (Germany)
- Syngenta AG (Switzerland)
- Novozymes (Denmark)
- UPL (India)
- Corteva Agriscience (US)
- FMC Corporation (US)
- Pro Farm Group Inc. (US)
- Lallemand Inc. (Canada)
- Vegalab SA (Switzerland)
- Valent BioSciences LLC (US)
- Koppert (Netherlands)
- Stockton bio-ag (Israel)
- IPL Biologicals Limited (India)
- Certis USA LLC (US)
- Gowan Company (US)
- Kan Biosys (India)
- Symborg (Spain)
- Rizobacter (Argentina)
- Biomax Naturals (Mumbai)

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- Biobest Group NV (Belgium)
- AgriLife (India)
- Haifa Negev Technologies Ltd (Israel)
- Pivot Bio (California)
- Precision Laboratories LLC (US)

#### Research Coverage

This report segments the agricultural biologicals market on the basis of key trends. In terms of insights, this research report focuses on various levels of analyses-competitive landscape, end-use analysis, and company profiles-which together comprise and discuss the basic views on the emerging & high-growth segments of the agricultural biologicals industry, the high-growth regions, countries, government initiatives, market disruption, drivers, restraints, opportunities, and challenges.

#### Reasons to buy this report

- To get a comprehensive overview of the agricultural biologicals 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 agricultural biologicals market is flourishing

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 top trends in agricultural biologicals 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 (Initiatives by government agencies and increasing awareness about the need for sustainability in modern agriculture), restraints (Technological and environmental constraints for the use of biologicals), opportunity (Advancements in microbial research across the globe), and challenges (Lack of awareness & low adoption rate of biologicals) influencing the growth of the top trends in agricultural biologicals market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the top trends in agricultural biologicals market.
- Market Development: Comprehensive information about lucrative markets - the report analyses the top trends in agricultural biologicals market across varied regions.
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the top trends in agricultural biologicals market.
- Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players Syngenta AG (Switzerland), UPL Limited (India), Nufarm (US), Corteva Agriscience (US), BASF SE (Germany), and Novozymes (Denmark) are among others in the top trends in agricultural biologicals market strategies.

#### Table of Contents:

1□INTRODUCTION□	29
1.1□STUDY OBJECTIVES□	29
1.2□COMPETITIVE INTELLIGENCE□	29
1.3□MARKET DEFINITION□	29
1.4□YEARS CONSIDERED□	30
1.5□CURRENCY CONSIDERED□	31
TABLE 1□USD EXCHANGE RATE, 2019-2022□	31
1.6□STAKEHOLDERS□	31
1.7□SUMMARY OF CHANGES□	32
1.8□RECESSION IMPACT ANALYSIS□	32
2□RESEARCH METHODOLOGY□	33

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2.1	RESEARCH DATA	33
FIGURE 1 TOP 10 TRENDS IN AGRICULTURAL BIOLOGICALS MARKET: RESEARCH DESIGN		
2.1.1	SECONDARY DATA	34
2.1.1.1	Key data from secondary sources	34
2.1.2	PRIMARY DATA	35
2.1.2.1	Breakdown of primaries	35
2.1.2.2	Key primary insights	36
2.2	MARKET SIZE ESTIMATION	36
2.2.1	APPROACH ONE: BOTTOM-UP APPROACH	37
2.2.2	APPROACH TWO: TOP-DOWN APPROACH (BASED ON GLOBAL MARKET)	37
2.3	DATA TRIANGULATION	38
FIGURE 2 DATA TRIANGULATION METHODOLOGY		
2.4	STUDY ASSUMPTIONS	39
2.5	STUDY LIMITATIONS AND RISK ASSESSMENT	40
2.6	RECESSION IMPACT ANALYSIS	40
2.6.1	MACROINDICATORS OF RECESSION	40
FIGURE 3 INDICATORS OF RECESSION		
FIGURE 4 WORLD INFLATION RATE, 2011-2021		
FIGURE 5 GLOBAL GDP, 2011-2021 (USD TRILLION)		
3	EXECUTIVE SUMMARY	43
FIGURE 6 GLOBAL AGRICULTURAL BIOLOGICALS MARKET, 2021-2028 (USD MILLION)		
FIGURE 7 INCREASING DEMAND FOR BIOCONTROL TO DRIVE MARKET GROWTH		
FIGURE 8 SNAPSHOT: NORTH AMERICA TO ACCOUNT FOR LARGEST MARKET SHARE		
?		
4	PREMIUM INSIGHTS	46
4.1	OPPORTUNITIES FOR KEY PLAYERS OPERATING IN MARKET	46
FIGURE 9 SHIFT TOWARD SUSTAINABLE AGRICULTURE TO DRIVE MARKET GROWTH		
4.2	AGRICULTURAL BIOLOGICALS MARKET, BY FUNCTION	46
FIGURE 10 BIOCONTROLS: LARGEST SEGMENT IN MARKET		
4.3	NORTH AMERICA: AGRICULTURAL BIOLOGICALS MARKET, BY KEY FUNCTION & COUNTRY	47
FIGURE 11 BIOCONTROL ESTIMATED TO DOMINATE AGRICULTURAL BIOLOGICALS MARKET IN 2023		
4.4	AGRICULTURAL BIOLOGICALS MARKET, BY FUNCTION AND REGION	47
FIGURE 12 EUROPE TO ACCOUNT FOR LARGEST MARKET SHARE FOR BIOSTIMULANTS IN 2023		
5	MARKET OVERVIEW	48
5.1	INTRODUCTION	48
5.2	MACROECONOMIC INDICATORS	48
5.2.1	INTRODUCTION	48
5.2.2	INCREASE IN ORGANIC AGRICULTURAL FARM AREAS	49
FIGURE 13 GROWTH OF ORGANIC AGRICULTURAL LAND FROM 1999 TO 2019		
5.2.3	GROWING DEMAND FROM ORGANIC FOOD INDUSTRY	49
FIGURE 14 ORGANIC RETAIL SALES, BY COUNTRY, 2019		
5.2.4	HIGH COSTS ASSOCIATED WITH DEVELOPMENT OF SYNTHETIC CROP PROTECTION PRODUCTS	50
FIGURE 15 REDUCED INTRODUCTION OF NEW ACTIVE INGREDIENTS, 1950-2010		

5.2.5	CLIMATE CHANGE AND INCREASE IN ABIOTIC STRESSES ON PLANTS	51
5.3	MARKET DYNAMICS	52
FIGURE 16	TOP TRENDS IN AGRICULTURAL BIOLOGICALS MARKET	52
5.3.1	DRIVERS	53
5.3.1.1	Initiatives by government agencies and increasing awareness of sustainability in modern agriculture	53
5.3.1.2	Regulatory pressures and harmful effects associated with synthetic plant protection products	53
5.3.1.3	Growing preference for organic products	54
FIGURE 17	EUROPE: ORGANIC MARKET SHARE, BY COUNTRY, 2018 VS. 2019	54
5.3.1.4	Limited entry barriers resulting in entry of several players	55
5.3.1.5	Hazards of using chemical fertilizers	55
5.3.1.6	Strong demand for high-value cash crops	56
FIGURE 18	AREA HARVESTED FOR FRUIT & VEGETABLE CROPS, 2015-2019 (MILLION HECTARE)	56
5.3.1.7	Crop losses due to pest attacks	56
5.3.2	RESTRAINTS	57
5.3.2.1	Technological and environmental constraints in use of biologicals	57
5.3.2.2	Poor infrastructure & high initial investment	58
5.3.2.3	Commercialization of low-quality biological products	58
5.3.2.4	Short shelf-life of biopesticides	58
5.3.3	OPPORTUNITIES	59
5.3.3.1	Advancements in microbial research	59
5.3.3.2	New target markets: Asia Pacific & Africa	59
5.3.3.3	Need for development of broad-spectrum formulations in agricultural biologicals	60
5.3.3.4	Rapid growth in biocontrol seed treatment solutions	61
5.3.4	CHALLENGES	61
5.3.4.1	Lack of awareness & low adoption rate of biologicals	61
5.3.4.2	Supply of counterfeit and less-effective products	62
5.3.4.3	Prevalence of uncertainty on regulatory framework of agricultural biologicals	62
5.3.4.4	High preference for agrochemicals among farmers	62
5.4	PATENT ANALYSIS	63
5.4.1	PATENT ANALYSIS FOR BIOFERTILIZERS MARKET	63
FIGURE 19	PATENTS GRANTED FOR BIOFERTILIZERS MARKET, 2012-2022	63
FIGURE 20	REGIONAL ANALYSIS OF PATENT GRANTED FOR BIOFERTILIZERS MARKET, 2012-2022	64
TABLE 2	PATENTS PERTAINING TO BIOFERTILIZERS, 2020-2022	64
5.4.2	PATENT ANALYSIS FOR BIOPESTICIDES MARKET	65
FIGURE 21	NUMBER OF PATENTS APPROVED FOR BIOPESTICIDE STRAINS IN MARKET, 2012-2020	65
FIGURE 22	REGIONAL ANALYSIS: PATENT APPROVAL FOR BIOPESTICIDE PRODUCTS, 2012-2020	66
TABLE 3	LIST OF MAJOR PATENTS FOR BIOPESTICIDES, 2018-2019	66
5.5	PATENT ANALYSIS FOR BIOSTIMULANTS	68
FIGURE 23	NUMBER OF PATENTS APPROVED BETWEEN 2011 AND 2021	68
FIGURE 24	REGIONS WITH HIGHEST NUMBER OF PATENT APPROVALS, 2016-2022	69
TABLE 4	LIST OF MAJOR PATENTS, 2012-2021	69
5.6	REGULATORY FRAMEWORK	70
5.6.1	REGULATORY FRAMEWORK FOR BIOPESTICIDES	70
5.6.1.1	US	70
5.6.1.1.1	Main statutes and legal requirements	70

5.6.1.1.1.1	Federal insecticide, fungicide, and rodenticide act (FIFRA)	71
5.6.1.1.1.2	Federal food, drug, and cosmetic act (FFDCA) and the food quality protection act (FQPA)	71
5.6.1.1.1.3	Pesticide registration improvement extension act (PRIA 3), 2012	71
5.6.1.1.1.4	Biopesticide registration	72
5.6.2	EUROPE	72
5.6.2.1	European union	72
5.6.2.1.1	Regulation (EC) no. 1107/2009 of European Parliament and of Council of 21 October 2009	73
5.6.2.1.1.1	Scope	73
5.6.2.1.1.2	Active substances: requirements and conditions for approval	74
5.6.2.1.2	First Approval	75
5.6.2.2	Russia	75
5.6.3	ASIA PACIFIC	75
5.6.3.1	India	75
5.6.3.2	China	75
5.6.4	BRAZIL	76
5.6.5	REGULATORY FRAMEWORK FOR BIOSTIMULANTS	76
5.6.5.1	Austria	76
5.6.5.2	France	76
5.6.5.3	Germany	76
5.6.5.4	Italy	77
5.6.5.5	Ireland	77
5.6.5.6	Spain	77
5.6.5.7	UK	77
5.6.6	REGULATORY FRAMEWORK FOR BIOFERTILIZERS	77
5.6.6.1	North America	77
5.6.6.1.1	Canada	78
5.6.6.2	Europe	78
5.6.6.2.1	Spain	78
5.6.6.2.2	Italy	78
5.6.6.3	Asia Pacific	78
5.6.6.3.1	India	78
5.6.6.3.2	China	79
5.6.6.3.3	Taiwan	79
5.6.6.3.4	Thailand	79
5.6.6.3.5	Australia	79
5.6.6.3.6	Vietnam	79
5.6.6.3.7	Philippines	80
5.6.6.3.8	Bhutan	80
5.6.6.4	South America	80
5.6.6.4.1	Brazil	80
5.6.6.5	RoW	80
5.7	SUPPLY CHAIN ANALYSIS	81
FIGURE 25	SUPPLY CHAIN ANALYSIS	82
5.8	VALUE CHAIN ANALYSIS	82
FIGURE 26	VALUE CHAIN ANALYSIS	82
5.8.1	RESEARCH & PRODUCT DEVELOPMENT	83

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.8.2	MANUFACTURING	83
5.8.3	DISTRIBUTION	83
5.8.4	MARKETING AND SALES	83
5.8.5	POST-SALES SERVICES	83
6	AGRICULTURAL BIOLOGICALS	84
6.1	OVERVIEW	84
6.2	COMPETITIVE LANDSCAPE	84
6.2.1	INTRODUCTION	84
TABLE 5	AGRICULTURAL BIOLOGICALS MARKET: KEY STRATEGIES ADOPTED BY COMPANIES, 2018-2023	84
6.3	COMPANY EVALUATION QUADRANT (KEY PLAYERS)	87
6.3.1	STARS	87
6.3.2	EMERGING LEADERS	87
6.3.3	PERVASIVE PLAYERS	87
6.3.4	PARTICIPANTS	87
FIGURE 27	AGRICULTURAL BIOLOGICALS MARKET: COMPANY EVALUATION QUADRANT, 2022 (KEY PLAYERS)	88
6.4	PRODUCT FOOTPRINT	89
TABLE 6	AGRICULTURAL BIOLOGICALS: COMPANY, BY FUNCTION FOOTPRINT	89
TABLE 7	AGRICULTURAL BIOLOGICALS: COMPANY, BY TYPE FOOTPRINT	90
TABLE 8	AGRICULTURAL BIOLOGICALS: COMPANY, BY REGIONAL FOOTPRINT	91
TABLE 9	AGRICULTURAL BIOLOGICALS: COMPANY: OVERALL FOOTPRINT	92
6.4.1	COMPETITIVE SCENARIO & TRENDS	93
6.4.1.1	Product launches & developments	93
TABLE 10	AGRICULTURAL BIOLOGICALS MARKET: PRODUCT LAUNCHES & DEVELOPMENTS, 2018-APRIL 2023	93
6.4.1.2	Deals (Mergers, Agreements, Partnerships, Collaborations & Acquisitions)	97
TABLE 11	AGRICULTURAL BIOLOGICALS MARKET: DEALS (MERGER, AGREEMENTS, PARTNERSHIPS, COLLABORATIONS & ACQUISITION), 2018-APRIL 2023	98
6.4.1.3	Others (Expansions & Investments)	111
TABLE 12	AGRICULTURAL BIOLOGICALS MARKET: EXPANSIONS & INVESTMENTS, 2018-APRIL 2023	111
6.4.2	COMPANY MARKET SHARE ANALYSIS	114
TABLE 13	AGRICULTURAL BIOLOGICALS MARKET: DEGREE OF COMPETITION	114
6.5	REGIONAL MARKET ANALYSIS	115
TABLE 14	AGRICULTURAL BIOLOGICALS MARKET, BY REGION, 2018-2022 (USD MILLION)	115
TABLE 15	AGRICULTURAL BIOLOGICALS MARKET, BY REGION, 2023-2028 (USD MILLION)	115
7	BIOCONTROLS	116
7.1	OVERVIEW	116
7.2	COMPETITIVE LANDSCAPE	116
7.2.1	INTRODUCTION	116
TABLE 16	BIOCONTROLS MARKET: KEY STRATEGIES ADOPTED BY COMPANIES, JANUARY 2018-APRIL 2023	116
7.3	COMPANY EVALUATION QUADRANT (KEY PLAYERS)	118
7.3.1	STARS	119
7.3.2	EMERGING LEADERS	119
7.3.3	PERVASIVE PLAYERS	119
7.3.4	PARTICIPANTS	119
FIGURE 28	BIOCONTROL MARKET: COMPANY EVALUATION QUADRANT, 2022 (KEY PLAYERS)	120

#### 7.4 PRODUCT FOOTPRINT 121

TABLE 17 BIOCONTROLS: COMPANY PRODUCT TYPE FOOTPRINT 121

TABLE 18 BIOCONTROLS: COMPANY CROP TYPE FOOTPRINT 122

TABLE 19 BIOCONTROLS: COMPANY REGIONAL FOOTPRINT 123

TABLE 20 BIOCONTROLS: OVERALL COMPANY FOOTPRINT 124

#### 7.4.1 COMPETITIVE SCENARIO & TRENDS 125

##### 7.4.1.1 Product launches & developments 125

TABLE 21 BIOCONTROLS MARKET: PRODUCT LAUNCHES & DEVELOPMENTS, JANUARY 2018-APRIL 2023 125

##### 7.4.1.2 Deals (Mergers, Agreements, Partnerships, Collaborations & Acquisitions) 129

TABLE 22 BIOCONTROLS MARKET: DEALS (MERGERS, AGREEMENTS, PARTNERSHIPS, COLLABORATIONS & ACQUISITIONS), JANUARY 2018-APRIL 2023 129

##### 7.4.1.3 Others (Expansions & Investments) 142

TABLE 23 BIOCONTROLS MARKET: EXPANSIONS & INVESTMENTS, JANUARY 2018-APRIL 2023 142

#### 7.4.2 COMPANY RANKING ANALYSIS 144

TABLE 24 BIOCONTROL MARKET: DEGREE OF COMPETITION 144

#### 7.5 REGIONAL MARKET ANALYSIS 144

TABLE 25 BIOCONTROLS MARKET, BY REGION, 2018-2022 (USD MILLION) 144

TABLE 26 BIOCONTROLS MARKET, BY REGION, 2023-2028 (USD MILLION) 145

#### 8 BIOFERTILIZERS 146

##### 8.1 OVERVIEW 146

##### 8.2 COMPETITIVE LANDSCAPE 147

###### 8.2.1 INTRODUCTION 147

TABLE 27 BIOFERTILIZERS MARKET: KEY STRATEGIES ADOPTED BY COMPANIES, JANUARY 2018-APRIL 2023 147

##### 8.3 COMPANY EVALUATION QUADRANT (KEY PLAYERS) 149

###### 8.3.1 STARS 149

###### 8.3.2 EMERGING LEADERS 149

###### 8.3.3 PERVASIVE PLAYERS 149

###### 8.3.4 PARTICIPANTS 149

FIGURE 29 BIOFERTILIZERS MARKET: COMPANY EVALUATION QUADRANT, 2022 (KEY PLAYERS) 150

###### 8.3.5 PRODUCT FOOTPRINT 151

TABLE 28 BIOFERTILIZERS: TYPE FOOTPRINT OF KEY PLAYERS 151

TABLE 29 BIOFERTILIZERS: FORM FOOTPRINT OF KEY PLAYERS 152

TABLE 30 BIOFERTILIZERS: MODE OF APPLICATION FOOTPRINT OF KEY PLAYERS 153

TABLE 31 BIOFERTILIZERS: REGION FOOTPRINT OF KEY PLAYERS 154

TABLE 32 BIOFERTILIZERS: OVERALL FOOTPRINT OF KEY PLAYERS 155

##### 8.3.6 COMPETITIVE SCENARIO & TRENDS 156

###### 8.3.6.1 Product launches & developments 156

TABLE 33 BIOFERTILIZERS MARKET: PRODUCT LAUNCHES & DEVELOPMENTS, JANUARY 2018-APRIL 2023 156

###### 8.3.6.2 Deals (Mergers, Agreements, Partnerships, Collaborations & Acquisitions) 157

TABLE 34 BIOFERTILIZERS MARKET: DEALS (MERGERS, AGREEMENTS, PARTNERSHIPS, COLLABORATIONS & ACQUISITIONS), JANUARY 2018-APRIL 2023 157

###### 8.3.6.3 Others (Expansions & Investments) 162

TABLE 35 BIOFERTILIZERS MARKET: EXPANSIONS & INVESTMENTS, JANUARY 2018-APRIL 2023 162

###### 8.3.7 COMPANY RANKING ANALYSIS 164

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



TABLE 36	BIOFERTILIZERS MARKET: DEGREE OF COMPETITION	164
8.4	REGIONAL MARKET ANALYSIS	164
TABLE 37	BIOFERTILIZERS MARKET, BY REGION, 2018-2022 (USD MILLION)	164
TABLE 38	BIOFERTILIZERS MARKET, BY REGION, 2023-2028 (USD MILLION)	165
9	BIOSTIMULANTS	166
9.1	OVERVIEW	166
9.2	COMPETITIVE LANDSCAPE	166
9.2.1	INTRODUCTION	166
TABLE 39	BIOSTIMULANTS MARKET: KEY STRATEGIES ADOPTED BY COMPANIES, 2018-2023	166
9.2.2	KEY PLAYER EVALUATION QUADRANT (KEY PLAYERS)	168
9.2.2.1	Stars	168
9.2.2.2	Emerging Leaders	168
9.2.2.3	Pervasive Players	168
9.2.2.4	Participants	169
FIGURE 30	BIOSTIMULANTS MARKET: COMPANY EVALUATION QUADRANT (KEY PLAYERS), 2021	169
9.3	PRODUCT FOOTPRINT	170
TABLE 40	BIOSTIMULANTS: COMPANY FOOTPRINT, BY CROP TYPE	170
TABLE 41	BIOSTIMULANTS: COMPANY FOOTPRINT, BY FORMULATION TYPE	171
TABLE 42	BIOSTIMULANTS: COMPANY FOOTPRINT, BY REGION	171
TABLE 43	BIOSTIMULANTS: OVERALL COMPANY FOOTPRINT	172
9.3.1	COMPETITIVE SCENARIO & TRENDS	173
9.3.1.1	Deals (Agreements, Mergers & Acquisitions, Partnerships & Collaborations)	173
TABLE 44	BIOSTIMULANTS MARKET: DEALS (AGREEMENTS, MERGERS & ACQUISITIONS PARTNERSHIPS & COLLABORATIONS), 2018-2023	173
9.3.1.2	Product launches, product approvals & registrations	178
TABLE 45	BIOSTIMULANTS MARKET: PRODUCT LAUNCHES, PRODUCT APPROVALS & REGISTRATIONS, 2018-2023	178
9.3.1.3	Others (Expansion & Investments)	181
TABLE 46	BIOSTIMULANTS MARKET: EXPANSIONS & INVESTMENTS, 2018-2023	181
9.4	MARKET SHARE ANALYSIS	182
TABLE 47	BIOSTIMULANTS MARKET: DEGREE OF COMPETITION (COMPETITIVE), 2022	182
9.5	REGIONAL MARKET ANALYSIS	183
TABLE 48	BIOSTIMULANTS MARKET, BY REGION, 2018-2022 (USD MILLION)	183
TABLE 49	BIOSTIMULANTS MARKET, BY REGION, 2023-2028 (USD MILLION)	183
10	BIOINSECTICIDES	184
10.1	OVERVIEW	184
10.2	COMPETITIVE LANDSCAPE	184
10.2.1	INTRODUCTION	184
TABLE 50	BIOINSECTICIDE: KEY STRATEGIES ADOPTED BY COMPANIES, 2018-2023	185
10.3	COMPETITIVE LEADERSHIP MAPPING	186
10.3.1	VISIONARY LEADERS	186
10.3.2	INNOVATORS	186
10.3.3	DYNAMIC DIFFERENTIATORS	186
10.3.4	EMERGING COMPANIES	187
FIGURE 31	BIOINSECTICIDES MARKET: COMPETITIVE LEADERSHIP MAPPING, 2019	187
10.3.5	COMPETITIVE SCENARIO & TRENDS	188
10.3.5.1	Deals (Agreements, Mergers & Acquisitions, Partnerships & Collaborations)	188
TABLE 51	BIOINSECTICIDES MARKET: DEALS (AGREEMENTS, MERGERS & ACQUISITIONS, PARTNERSHIPS & COLLABORATIONS),	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2018-2023	188
10.3.5.2	Others (Expansions & Investments) 191
TABLE 52	BIOINSECTICIDES MARKET: EXPANSIONS & INVESTMENTS, 2018-2023 191
10.3.5.3	Product developments & registrations 192
TABLE 53	BIOINSECTICIDES MARKET: PRODUCT DEVELOPMENTS & REGISTRATIONS, 2018-2023 192
10.4	COMPANY RANKING ANALYSIS, 2022 194
FIGURE 32	BIOINSECTICIDES MARKET: COMPANY RANKINGS, 2022 194
10.5	REGIONAL MARKET ANALYSIS 194
TABLE 54	BIOINSECTICIDES MARKET, BY REGION, 2018-2022 (USD MILLION) 194
TABLE 55	BIOINSECTICIDES MARKET, BY REGION, 2023-2028 (USD MILLION) 195
11	BIOFUNGICIDES 196
11.1	OVERVIEW 196
11.2	COMPETITIVE LANDSCAPE 196
11.2.1	INTRODUCTION 196
TABLE 56	BIOFUNGICIDES: KEY STRATEGIES ADOPTED BY COMPANIES, 2018-2023 197
?	
11.3	COMPETITIVE LEADERSHIP MAPPING 199
11.3.1	VISIONARY LEADERS 199
11.3.2	INNOVATORS 199
11.3.3	DYNAMIC DIFFERENTIATORS 199
11.3.4	EMERGING COMPANIES 199
FIGURE 33	BIOFUNGICIDES MARKET: COMPETITIVE LEADERSHIP MAPPING, 2019 200
11.3.5	COMPETITIVE LANDSCAPE 200
11.3.5.1	Deals (Agreements, Mergers & Acquisitions, Partnerships & Collaborations) 201
TABLE 57	BIOFUNGICIDES: DEALS (AGREEMENTS, MERGERS & ACQUISITIONS, PARTNERSHIPS & COLLABORATIONS), 2018-2023 201
11.3.5.2	Product launches, product approvals & registrations 206
TABLE 58	BIOFUNGICIDES: PRODUCT LAUNCHES, PRODUCT APPROVALS & REGISTRATIONS, 2018-2023 206
11.3.5.3	Others (Expansions & Investments) 208
TABLE 59	BIOFUNGICIDE: OTHERS (EXPANSIONS & INVESTMENTS), 2018-2023 208
11.3.6	COMPANY RANKING ANALYSIS 209
FIGURE 34	BIOFUNGICIDES MARKET: COMPANY RANKINGS, 2022 209
11.4	REGIONAL MARKET ANALYSIS 210
TABLE 60	BIOFUNGICIDES MARKET, BY REGION, 2018-2022 (USD MILLION) 210
TABLE 61	BIOFUNGICIDES MARKET, BY REGION, 2023-2028 (USD MILLION) 210
12	BIONEMATICIDES 211
12.1	OVERVIEW 211
12.2	COMPETITIVE LANDSCAPE 211
12.2.1	INTRODUCTION 211
12.2.2	COMPETITIVE SCENARIO & TRENDS 211
TABLE 62	BIONEMATICIDES MARKET: TRENDS IN COMPANY STRATEGIES, 2018-APRIL 2023 212
12.2.3	PRODUCT LAUNCHES, PRODUCT APPROVALS & REGISTRATIONS 213
TABLE 63	BIONEMATICIDES MARKET: PRODUCT LAUNCHES, 2018-APRIL 2023 213
12.2.4	DEALS (MERGERS, AGREEMENTS, PARTNERSHIPS, COLLABORATIONS & ACQUISITIONS) 214
TABLE 64	BIONEMATICIDES MARKET: DEALS (MERGERS, AGREEMENTS, PARTNERSHIPS, COLLABORATIONS & ACQUISITIONS), JANUARY 2018-APRIL 2023 214
12.2.5	OTHERS (EXPANSIONS & INVESTMENTS) 218
TABLE 65	BIONEMATICIDES MARKET: EXPANSIONS & INVESTMENTS,

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

JANUARY 2018-APRIL 2023	218
12.2.6 COMPANY RANKING ANALYSIS, 2022	220
FIGURE 35 BIONEMATICIDES MARKET: COMPANY RANKINGS, 2022	220
12.3 REGIONAL MARKET ANALYSIS	220
TABLE 66 BIONEMATICIDES MARKET, BY REGION, 2018-2022 (USD MILLION)	220
TABLE 67 BIONEMATICIDES MARKET, BY REGION, 2023-2028 (USD MILLION)	221
13 BIOLOGICAL SEED TREATMENT	222
13.1 OVERVIEW	222
13.2 COMPETITIVE LANDSCAPE	222
13.2.1 INTRODUCTION	222
TABLE 68 BIOLOGICAL SEED TREATMENT MARKET: KEY STRATEGIES ADOPTED BY COMPANIES, 2018-APRIL 2023	223
13.3 COMPANY EVALUATION QUADRANT	225
13.3.1 STARS	225
13.3.2 EMERGING LEADERS	225
13.3.3 PERVASIVE PLAYERS	225
13.3.4 PARTICIPANTS	225
FIGURE 36 BIOLOGICAL SEED TREATMENT: COMPANY EVALUATION QUADRANT, 2022 (KEY PLAYERS)	226
13.4 PRODUCT FOOTPRINT	227
TABLE 69 BIOLOGICAL SEED TREATMENT: COMPANY TYPE FOOTPRINT	227
TABLE 70 BIOLOGICAL SEED TREATMENT: COMPANY CROP FOOTPRINT	228
TABLE 71 BIOLOGICAL SEED TREATMENT: COMPANY REGION FOOTPRINT	229
TABLE 72 BIOLOGICAL SEED TREATMENT: PRODUCT FOOTPRINT (OVERALL)	230
13.4.1 COMPETITIVE SCENARIO & TRENDS	231
13.4.1.1 Product launches, product approvals & registrations	231
TABLE 73 BIOLOGICAL SEED TREATMENT MARKET: PRODUCT LAUNCHES, PRODUCT APPROVALS & REGISTRATIONS, 2018-APRIL 2023	231
13.4.2 DEALS	232
TABLE 74 BIOLOGICAL SEED TREATMENT MARKET: DEALS (MERGER, AGREEMENTS, PARTNERSHIPS, COLLABORATIONS & ACQUISITIONS), 2018-APRIL 2023	232
13.4.3 OTHERS	237
TABLE 75 BIOLOGICAL SEED TREATMENT MARKET: EXPANSIONS & INVESTMENTS, JANUARY 2018-APRIL 2023	238
13.4.4 COMPANY RANKING ANALYSIS	239
FIGURE 37 BIOLOGICAL SEED TREATMENT MARKET: COMPANY RANKINGS, 2022	239
13.5 REGIONAL MARKET ANALYSIS	239
TABLE 76 BIOLOGICAL SEED TREATMENT MARKET, BY REGION, 2018-2022 (USD MILLION)	239
TABLE 77 BIOLOGICAL SEED TREATMENT MARKET, BY REGION, 2023-2028 (USD MILLION)	240
14 AGRICULTURAL INOCULANTS	241
14.1 OVERVIEW	241
14.2 STRATEGIES ADOPTED BY KEY PLAYERS	241
TABLE 78 STRATEGIES ADOPTED BY KEY PLAYERS IN AGRICULTURAL INOCULANTS MARKET	241
14.3 COMPANY EVALUATION QUADRANT (KEY PLAYERS)	243
14.3.1 STARS	243

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

14.3.2	EMERGING LEADERS	243
14.3.3	PERVASIVE PLAYERS	243
14.3.4	PARTICIPANTS	243
FIGURE 38	AGRICULTURAL INOCULANTS MARKET: COMPANY EVALUATION QUADRANT, APRIL 2023 (KEY PLAYERS)	244
14.4	PRODUCT FOOTPRINT	245
TABLE 79	BIOLOGICAL SEED TREATMENT: COMPANY PRODUCT FOOTPRINT, BY TYPE	245
TABLE 80	BIOLOGICAL SEED TREATMENT: COMPANY PRODUCT FOOTPRINT, BY MICROBE	246
TABLE 81	BIOLOGICAL SEED TREATMENT: COMPANY PRODUCT FOOTPRINT, BY CROP TYPE	247
TABLE 82	BIOLOGICAL SEED TREATMENT: COMPANY PRODUCT FOOTPRINT, BY REGION	248
14.5	MARKET SHARE ANALYSIS	249
TABLE 83	GLOBAL AGRICULTURAL INOCULANTS MARKET: DEGREE OF COMPETITION	249
14.5.1	COMPETITIVE SCENARIO & TRENDS	250
14.5.1.1	Product launches, product approvals & registrations	250
TABLE 84	AGRICULTURAL INOCULANTS MARKET: PRODUCT LAUNCHES, JANUARY 2018-APRIL 2023	250
14.5.2	DEALS (MERGERS, AGREEMENTS, PARTNERSHIPS, COLLABORATIONS & ACQUISITIONS)	252
TABLE 85	AGRICULTURAL INOCULANTS MARKET: DEALS (MERGER, AGREEMENTS, PARTNERSHIPS, COLLABORATIONS & ACQUISITIONS), JANUARY 2018-APRIL 2023	252
14.5.3	OTHERS	254
TABLE 86	AGRICULTURAL INOCULANTS MARKET: OTHERS, JANUARY 2018-APRIL 2023	254
14.6	REGIONAL MARKET ANALYSIS	255
TABLE 87	AGRICULTURAL INOCULANTS MARKET, BY REGION, 2018-2022 (USD MILLION)	255
TABLE 88	AGRICULTURAL INOCULANTS MARKET, BY REGION, 2023-2028 (USD MILLION)	255
15	AGRICULTURAL PHEROMONES	256
15.1	OVERVIEW	256
15.2	COMPETITIVE LANDSCAPE	256
15.2.1	INTRODUCTION	256
TABLE 89	AGRICULTURAL PHEROMONES MARKET: KEY STRATEGIES ADOPTED BY COMPANIES, 2018-APRIL 2023	257
15.3	COMPANY EVALUATION QUADRANT	259
15.3.1	STARS	259
15.3.2	EMERGING LEADERS	259
15.3.3	PERVASIVE PLAYERS	259
15.3.4	PARTICIPANTS	259
FIGURE 39	AGRICULTURAL PHEROMONES MARKET: COMPANY EVALUATION QUADRANT, APRIL 2023 (KEY PLAYERS)	260
15.3.5	PRODUCT FOOTPRINT	261
TABLE 90	AGRICULTURAL PHEROMONES: COMPANY FUNCTION FOOTPRINT	261
TABLE 91	AGRICULTURAL PHEROMONES: COMPANY CROP TYPE FOOTPRINT	262
TABLE 92	AGRICULTURAL PHEROMONES: COMPANY REGION FOOTPRINT	263
TABLE 93	AGRICULTURAL PHEROMONES: COMPANY PRODUCT FOOTPRINT	264
15.3.6	COMPETITIVE SCENARIO & TRENDS	264
15.3.6.1	Product launches, product approvals & registrations	264
TABLE 94	AGRICULTURAL PHEROMONES MARKET: PRODUCT LAUNCHES, PRODUCT APPROVALS & REGISTRATIONS, JANUARY 2018-APRIL 2023	265
15.3.6.2	Deals (Mergers, Agreements, Partnerships, Collaborations & Acquisitions)	267
TABLE 95	AGRICULTURAL PHEROMONES MARKET: DEALS (MERGERS, AGREEMENTS, PARTNERSHIPS, COLLABORATIONS & ACQUISITIONS), 2018-2023	267

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

### 15.3.6.3 Others (Expansions & Investments) 271

TABLE 96 AGRICULTURAL PHEROMONES MARKET: EXPANSIONS & INVESTMENTS, 2018- APRIL 2023 271

### 15.3.7 COMPANY RANKING ANALYSIS 272

FIGURE 40 AGRICULTURAL PHEROMONES MARKET: COMPANY RANKINGS, 2022 272

### 15.4 REGIONAL MARKET ANALYSIS 273

TABLE 97 AGRICULTURAL PHEROMONES MARKET, BY REGION, 2018-2022 273

TABLE 98 AGRICULTURAL PHEROMONES MARKET, BY REGION, 2023-2028 273

### 16 COMPANY PROFILES 274

#### 16.1 KEY PLAYERS 274

(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))\*

##### 16.1.1 BASF SE 274

TABLE 99 BASF SE: BUSINESS OVERVIEW, 2022 274

FIGURE 41 BASF SE: COMPANY SNAPSHOT 275

TABLE 100 BASF SE: PRODUCTS OFFERED 275

TABLE 101 BASF SE: PRODUCT LAUNCHES 278

TABLE 102 BASF SE: DEALS 279

##### 16.1.2 BAYER AG 281

TABLE 103 BAYER AG: BUSINESS OVERVIEW, 2022 281

FIGURE 42 BAYER AG: COMPANY SNAPSHOT 282

TABLE 104 BAYER AG: PRODUCTS OFFERED 282

TABLE 105 BAYER AG: PRODUCT LAUNCHES 284

TABLE 106 BAYER AG: DEALS 284

##### 16.1.3 SYNGENTA AG 286

TABLE 107 SYNGENTA AG: BUSINESS OVERVIEW, 2022 286

FIGURE 43 SYNGENTA AG: COMPANY SNAPSHOT 287

TABLE 108 SYNGENTA AG: PRODUCTS OFFERED 287

TABLE 109 SYNGENTA AG: PRODUCT LAUNCHES 288

TABLE 110 SYNGENTA AG: DEALS 289

##### 16.1.4 NOVOZYMES 292

TABLE 111 NOVOZYMES: BUSINESS OVERVIEW, 2022 292

FIGURE 44 NOVOZYMES: COMPANY SNAPSHOT 293

TABLE 112 NOVOZYMES: PRODUCTS OFFERED 293

TABLE 113 NOVOZYMES: PRODUCT LAUNCHES 295

TABLE 114 NOVOZYMES: DEALS 295

TABLE 115 NOVOZYMES: OTHER DEVELOPMENTS 295

##### 16.1.5 UPL 297

TABLE 116 UPL: BUSINESS OVERVIEW 297

FIGURE 45 UPL: COMPANY SNAPSHOT 298

TABLE 117 UPL: PRODUCTS OFFERED 298

TABLE 118 UPL: DEALS 299

##### 16.1.6 CORTEVA AGRISCIENCE 301

TABLE 119 CORTEVA AGRISCIENCE: BUSINESS OVERVIEW 301

FIGURE 46 CORTEVA AGRISCIENCE: COMPANY SNAPSHOT 302

TABLE 120 CORTEVA AGRISCIENCE: PRODUCTS OFFERED 303

TABLE 121 CORTEVA AGRISCIENCE: PRODUCT LAUNCHES 303

TABLE 122 CORTEVA AGRISCIENCE: DEALS 304

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 123	CORTEVA AGRISCIENCE: OTHER DEVELOPMENTS	305
16.1.7	FMC CORPORATION	306
TABLE 124	FMC CORPORATION: BUSINESS OVERVIEW, 2022	306
FIGURE 47	FMC CORPORATION: COMPANY SNAPSHOT	307
TABLE 125	FMC CORPORATION: PRODUCTS OFFERED	307
TABLE 126	FMC CORPORATION: PRODUCT LAUNCHES	308
TABLE 127	FMC CORPORATION: DEALS	309
16.1.8	PRO FARM GROUP INC.	310
TABLE 128	PRO FARM GROUP INC.: BUSINESS OVERVIEW, 2022	310
TABLE 129	PRO FARM GROUP INC.: PRODUCTS OFFERED	310
TABLE 130	PRO FARM GROUP INC.: PRODUCT LAUNCHES	311
TABLE 131	PRO FARM GROUP INC.: OTHER DEVELOPMENTS	311
16.1.9	LALLEMAND INC.	313
TABLE 132	LALLEMAND INC.: BUSINESS OVERVIEW, 2022	313
TABLE 133	LALLEMAND INC.: PRODUCTS OFFERED	313
TABLE 134	LALLEMAND INC.: PRODUCT LAUNCHES	315
16.1.10	VEGALAB SA	316
TABLE 135	VEGALAB SA: BUSINESS OVERVIEW, 2022	316
TABLE 136	VEGALAB SA: PRODUCTS OFFERED	316
TABLE 137	VEGALAB SA: DEALS	318
16.1.11	VALENT BIOSCIENCES LLC	319
TABLE 138	VALENT BIOSCIENCES LLC: BUSINESS OVERVIEW, 2022	319
TABLE 139	VALENT BIOSCIENCES LLC: PRODUCTS OFFERED	319
TABLE 140	VALENT BIOSCIENCES LLC: DEALS	320
TABLE 141	VALENT BIOSCIENCES LLC: OTHER DEVELOPMENTS	321
16.1.12	KOPPERT	322
TABLE 142	KOPPERT: BUSINESS OVERVIEW, 2022	322
TABLE 143	KOPPERT: PRODUCTS OFFERED	322
TABLE 144	KOPPERT: DEALS	324
TABLE 145	KOPPERT: OTHER DEVELOPMENTS	325
16.1.13	STOCKTON BIO-AG	326
TABLE 146	STOCKTON BIO-AG: BUSINESS OVERVIEW, 2022	326
TABLE 147	STOCKTON BIO-AG: PRODUCTS OFFERED	326
TABLE 148	STOCKTON BIO-AG: DEALS	327
16.1.14	IPL BIOLOGICALS LIMITED	328
TABLE 149	IPL BIOLOGICALS LIMITED: BUSINESS OVERVIEW, 2022	328
TABLE 150	IPL BIOLOGICALS LIMITED: PRODUCTS OFFERED	328
16.1.15	CERTIS USA LLC	330
TABLE 151	CERTIS USA LLC: BUSINESS OVERVIEW	330
TABLE 152	CERTIS USA LLC: PRODUCTS OFFERED	330
TABLE 153	CERTIS USA LLC: DEALS	331
16.1.16	GOWAN COMPANY	332
TABLE 154	GOWAN COMPANY: BUSINESS OVERVIEW, 2022	332
TABLE 155	GOWAN COMPANY: PRODUCTS OFFERED	332
TABLE 156	GOWAN COMPANY: DEALS	333
16.1.17	KAN BIOSYS	334
TABLE 157	KAN BIOSYS: BUSINESS OVERVIEW, 2022	334

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

TABLE 158	KAN BIOSYS: PRODUCTS OFFERED	334
16.1.18	SYMBORG	336
TABLE 159	SYMBORG: BUSINESS OVERVIEW, 2022	336
TABLE 160	SYMBORG: PRODUCTS OFFERED	336
TABLE 161	SYMBORG: PRODUCT LAUNCHES	337
TABLE 162	SYMBORG: OTHER DEVELOPMENTS	337
16.1.19	RIZOBACTER	339
TABLE 163	RIZOBACTER: BUSINESS OVERVIEW, 2022	339
TABLE 164	RIZOBACTER: PRODUCTS OFFERED	339
TABLE 165	RIZOBACTER: DEALS	340
TABLE 166	RIZOBACTER: OTHERS	340
16.1.20	BIOMAX NATURALS	342
TABLE 167	BIOMAX NATURALS: BUSINESS OVERVIEW, 2022	342
TABLE 168	BIOMAX NATURALS: PRODUCTS OFFERED	342
16.1.21	BIOBEST GROUP NV	343
TABLE 169	BIOBEST GROUP NV: BUSINESS OVERVIEW, 2022	343
TABLE 170	BIOBEST GROUP NV: PRODUCTS OFFERED	343
TABLE 171	BIOBEST GROUP NV: PRODUCT LAUNCHES	345
TABLE 172	BIOBEST GROUP NV: DEALS	346
16.1.22	AGRILIFE	348
TABLE 173	AGRILIFE: BUSINESS OVERVIEW, 2022	348
TABLE 174	AGRILIFE: PRODUCTS OFFERED	348
16.1.23	HAIFA NEGEV TECHNOLOGIES LTD	350
TABLE 175	HAIFA NEGEV TECHNOLOGIES LTD: BUSINESS OVERVIEW	350
TABLE 176	HAIFA NEGEV TECHNOLOGIES LTD: PRODUCTS OFFERED	350
TABLE 177	HAIFA NEGEV TECHNOLOGIES LTD: PRODUCT LAUNCHES	350
TABLE 178	HAIFA NEGEV TECHNOLOGIES LTD: OTHER DEVELOPMENTS	351
16.1.24	PIVOT BIO	352
TABLE 179	PIVOT BIO: BUSINESS OVERVIEW	352
TABLE 180	PIVOT BIO: PRODUCTS OFFERED	352
16.1.25	PRECISION LABORATORIES LLC	353
TABLE 181	PRECISION LABORATORIES LLC: BUSINESS OVERVIEW	353
TABLE 182	PRECISION LABORATORIES LLC: PRODUCTS OFFERED	353
*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.		
17	APPENDIX	354
17.1	DISCUSSION GUIDE	354
17.2	KNOWLEDGESTORE: MARKETSandMARKETS? SUBSCRIPTION PORTAL	358
17.3	CUSTOMIZATION OPTIONS	360
17.4	RELATED REPORTS	360
17.5	AUTHOR DETAILS	361

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

**Top Trends in the Agricultural Biologicals Market by Agricultural Biologicals,  
Biocontrols, Bio fungicides, Bioinsecticides, Bio nematicides, Biostimulants,  
Biofertilizers, Inoculants, Pheromones, Biological Seed Treatment - Global Forecast  
to 2028**

Market Report | 2023-06-02 | 356 pages | MarketsandMarkets

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Zip Code\*

Country\*

Date

Signature