

Fungicides Market by Type (Chemical and Biological), Mode of Action (Contact and Systemic), Formulation (Liquid and Dry), Mode of Application (Foliar Spray, Seed Treatment, and Soil Treatment), Crop Type and Region - Global Forecast to 2029

<https://marketpublishers.com/r/FFACDFE0ED5EN.html>

Date: August 2024

Pages: 329

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

ID: FFACDFE0ED5EN

Abstracts

The global fungicides market is estimated at USD 23.9 billion in 2024 and is projected to reach USD 32.3 billion by 2029, at a CAGR of 6.2% during the forecast period. There are several plant pathogenic organisms that cause crop damage; fungi are a primary cause of crop loss globally. The fungicides market is projected to grow at a promising rate in the coming years. This growth is driven by the changing climate conditions and the rising demand for high-value crops, particularly for fruits & vegetables. The Food and Agricultural Organization has identified hundreds of fungal diseases that strike 168 crops integral to human nutrition, with the potential threat from these diseases only rising with climate change. Higher temperatures favor the new variation of fungal pathogens, and extreme weather events such as storms and tornadoes can spread spores over larger geographic areas. For example in 2022, climatic change caused a severe outbreak of stem rust in Ireland, whose airborne spores of the pathogen have come from other regions, underscoring broader risks induced by shifting weather patterns and rising temperatures. The fungicides market is projected to grow at a promising rate in the coming years. Major players in the fungicides market include Syngenta Group (Switzerland), BASF SE (Germany), Bayer AG (Germany), FMC Corporation (US), and UPL Ltd. (India). Some popular fungicides offered by BASF include F 500, Xemium, Revysol, and Pavecto. Syngenta Group offers Amistar, Bravo, Orondis, and Revus. In the recent years, major players largely invested in the research and development activities for the launch of novel fungicide products across the globe, which further boosts the market growth. In May 2024, Syngenta Group announced a major boost in its fungicides portfolio with the launch of its patented ADEPIDYN

technology globally featuring the active ingredient pydiflumetofen. The advanced fungicide is available to farmers in more than 55 countries currently.

FIGURE 1 GLOBAL PESTICIDE USE, BY CATEGORY, 2021 (MILLION TONS)

Source: FAO (2024)

“Rising demand for agricultural production to drive the fungicides market globally”

An increase in agricultural production, arising from the increased demand for food on a global scale, essentially increases the application of fungicides to protect crops and enhance yields. According to the State of Food Security and Nutrition in the World report published by FAO, global food production will need to grow by 70% in 2050 to cater to the increasing population. A 2022 study published in Springer Nature examined the impact of foliar fungicides on soybean yields in the north-central United States. The study highlighted that fungicides are more beneficial in high-yield environments, offering sufficient yield increases to offset their costs when soybean prices are average or higher. Nonetheless, it emphasized the ongoing importance of disease scouting and resistance management.

“In 2023, chemical fungicides stood as the major segment within the type segment of the fungicides market. “

Chemical fungicides are biocidal materials that can kill or prevent fungi and their pathogenic spores from growing. Chemical fungicides can be used to control plant fungal infections such as rusts, mildews, and blights. Fungicide activity can be both systemic and contact. Continuous research and development have led to the launch of new targeted chemicals which help to increase the market share of chemical fungicides. For instance, in February 2024, Scientists at the University of California discovered a new chemical fungicide, ebselen, that holds huge potential for fighting some of the most devastating crop diseases in the world. Not only did this new breed of fungicide stop the effects of fungal infections in apples, grapes, strawberries, tomatoes, and roses, but it also enhanced symptoms of already existing fungal infections in rice. In June 2024, BASF launched its new rice fungicide in China under the trade name Cevya, containing 400g/L mefenfentrifluconazole. This new product incorporates the active ingredient Revysol, mefenfentrifluconazole, which has good preventive and controlling effects on rice false smut.

“Within the formulation segment, liquid formulation holds the highest share.”

Liquid formulations hold maximum share in the fungicides market due to wide usage and versatility. They are preferred for the ease of application, better coverage of large acres, and the possibility of mixing with other agricultural chemicals. Some active ingredients - Difenoconazole, Fludioxonil, Pydiflumetofen, and Hexaconazole - are dominant in fungicides as they are water-based. Liquid fungicides help achieve a high active content, which is required in commercial formulations as they aid with spray drifting. Companies such as BASF (Germany), Bayer (Germany), Syngenta (Basel), FMC Corporation (US), and UPL (India) provide various liquid-based fungicides targeting different diseases and crops. Due to the increasing demand for organic crops, some companies are also focusing on introducing biofungicides. In June 2024, Rovensa Next launched a new biofungicide called Milarum in Brazil. In August 2023, FMC India, a leading agricultural science company, launched the latest ENTAZIA™ biofungicide. Both are liquid-form products that bring extra versatility and value to their applications.

“In 2023, Asia Pacific holds the highest market share in the global fungicides market.”

Asia-Pacific holds the largest share of fungicides in the market due to massive agricultural production, cultivation of diverse crops, and increasing demand for effective disease management solutions. The demand for better fungicides as a disease control measure and a means of yield maximization is, therefore, likely to be high in this region characterized by extensive farming and diversified crops. Many companies are investing in the development of new products in the Asia-Pacific region. For example, In June 2024, BASF introduced its new rice fungicide, Cevya, in China. Earlier, in August 2023, FMC Corporation (US), a leader in agricultural sciences, launched ENTAZIA™ biofungicide in India, a groundbreaking biological crop protection product formulated with *Bacillus subtilis*. These innovations highlight the region's growing role in the fungicides market.

The Break-up of Primaries:

By Company Type: Tire 1- 35%, Tire 2- 40%, Tire 3- 25%

By Designation: CXOs – 30%, Managers – 50%, Executives – 20%

By Region: North America – 25%, Europe – 25%, Asia Pacific – 30%, South America - 10%, RoW - 10%

Key players in this market include BASF SE (Germany), Bayer AG (Germany),

Syngenta Group (Switzerland), UPL (India), Corteva (US), FMC Corporation (US), Nufarm (Australia), Sumitomo Chemical Co., Ltd. (Japan), NIPPON SODA CO, LTD. (Japan), Gowan Company (US), American Vanguard Corporation (US), Koppert (Netherlands), KUMIAI CHEMICAL INDUSTRY CO., LTD. (Japan), Albaugh LLC (US), and Sipcam Oxon Spa (Italy).

Research Coverage:

The report segments the fungicides market based on type, crop type, mode of application, mode of action, formulation, 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 fungicides market, high-growth regions, countries, government initiatives, drivers, restraints, opportunities, and challenges. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, services, key strategies, Contracts, partnerships, and agreements. New product launches, mergers and acquisitions, and recent developments associated with the fungicides market. Competitive analysis of upcoming startups in the fungicides market ecosystem is covered in this report.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall fungicides market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and 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 (rising temperature and changing climate conditions lead to outbreak of crop diseases, Increasing launches of novel fungicide products, and rise in agricultural production) restraints (growing resistance to fungicides and fungicide residue problems) opportunities (application of biofungicides to boost demand and integration of fungicides in precision agriculture) and challenges (stringent regulations on use of certain chemical fungicides and low awareness of biological fungicides among farmers).

Product Development/Innovation: Detailed insights on research & development

activities and new product launches in the fungicides market.

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

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

Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players like BASF SE (Germany), Bayer AG (Germany), Syngenta Group (Switzerland), UPL (India), Corteva (US), FMC Corporation (US), Nufarm (Australia), Sumitomo Chemical Co., Ltd. (Japan), Nissan Chemical Corporation (Japan), NIPPON SODA CO, LTD. (Japan), Gowan Company (US), American Vanguard Corporation (US), Koppert (Netherlands), KUMIAI CHEMICAL INDUSTRY CO., LTD. (Japan), Albaugh LLC (US), Sipcam Oxon Spa (Italy), Certis USA L.L.C. (US), BioWorks, Inc. (US), STK Bio-AG (Israel), Verdesian Life Sciences (US), Vive Crop Protection (Canada), Crystal Crop Protection Ltd. (India), Atticus, LLC (US), Scimplify (India), and Botano Health (Israel) in the fungicides market.

Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
 - 1.1.1 MARKET DEFINITION
- 1.2 MARKET SCOPE
 - 1.2.1 MARKET SEGMENTATION
 - 1.2.2 INCLUSIONS & EXCLUSIONS
- 1.3 YEARS CONSIDERED
- 1.4 UNIT CONSIDERED
 - 1.4.1 CURRENCY/VALUE UNIT
- 1.5 STAKEHOLDERS
- 1.6 SUMMARY OF CHANGES

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
 - 2.1.2.2 Key industry insights
 - 2.1.2.3 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
 - 2.2.2.1 Approach to estimate market size using top-down analysis
- 2.3 DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS
- 2.5 LIMITATIONS AND RISK ASSESSMENT

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE MARKET OPPORTUNITIES FOR PLAYERS IN FUNGICIDES MARKET
- 4.2 ASIA PACIFIC: FUNGICIDES MARKET, BY TYPE & COUNTRY

4.3 FUNGICIDES MARKET: SHARE OF MAJOR REGIONAL SUBMARKETS

4.4 FUNGICIDES MARKET, BY TYPE AND REGION

4.5 FUNGICIDES MARKET, BY FORMULATION AND REGION

4.6 FUNGICIDES MARKET, BY MODE OF ACTION AND REGION

4.7 FUNGICIDES MARKET, BY MODE OF APPLICATION AND REGION

4.8 FUNGICIDES MARKET, BY CROP TYPE AND REGION

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MACRO INDICATORS

5.2.1 DECREASE IN CROPLAND AREA

5.2.2 RISING DEMAND FOR HIGH-VALUE AND INDUSTRIAL CROPS

5.3 MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Outbreak of crop diseases due to rising temperatures and changing climatic conditions

5.3.1.2 Innovation and technological advancements

5.3.2 RESTRAINTS

5.3.2.1 Fungicide residue problems

5.3.2.2 Regulatory hurdles

5.3.3 OPPORTUNITIES

5.3.3.1 Integration of fungicides with precision agriculture

5.3.3.2 Introduction of new biological fungicide products

5.3.4 CHALLENGES

5.3.4.1 Long approval periods for fungicide products

5.3.4.2 Growing resistance to fungicides

5.4 IMPACT OF GEN AI ON FUNGICIDES MARKET

5.4.1 USE OF GEN AI IN FUNGICIDES MARKET

5.4.2 CASE STUDY ANALYSIS

5.4.2.1 Innovative AI-powered R&D platform helped Syngenta and Enko boost new products' effectiveness and support global sustainability objectives

5.4.2.2 FMC collaborated with Optibrium to accelerate crop protection with AI-powered discovery

5.4.2.3 Iktos and Bayer collaborated to advance crop protection with AI-driven molecular design

5.4.3 IMPACT OF GEN AI/AI ON FUNGICIDES MARKET

6 INDUSTRY TRENDS

- 6.1 INTRODUCTION
- 6.2 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES
- 6.3 VALUE CHAIN ANALYSIS
 - 6.3.1 RESEARCH & PRODUCT DEVELOPMENT
 - 6.3.2 REGISTRATION
 - 6.3.3 FORMULATION & MANUFACTURING
 - 6.3.4 DISTRIBUTION
 - 6.3.5 MARKETING & SALES
 - 6.3.6 POST-SALE SERVICES
- 6.4 ECOSYSTEM ANALYSIS
 - 6.4.1 DEMAND SIDE
 - 6.4.2 SUPPLY SIDE
- 6.5 TECHNOLOGY ANALYSIS
 - 6.5.1 KEY TECHNOLOGIES
 - 6.5.1.1 Nano-encapsulation technology
 - 6.5.2 COMPLEMENTARY TECHNOLOGIES
 - 6.5.2.1 Drone-based spraying
 - 6.5.3 ADJACENT TECHNOLOGIES
 - 6.5.3.1 Variable rate technology
- 6.6 PRICING ANALYSIS
 - 6.6.1 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TYPE
 - 6.6.2 CHEMICAL FUNGICIDES: AVERAGE SELLING PRICE TREND, BY REGION
- 6.7 PATENT ANALYSIS
- 6.8 CASE STUDY ANALYSIS
 - 6.8.1 STREAMLINING FUNGICIDE PRODUCTION WITH SIEMENS OPCENTER INTEGRATION
 - 6.8.2 INNOVATIVE CO-FORMULATION OF DUAL FUNGICIDES: BATTELLE'S DEVELOPMENT OF STABLE SUSPO-EMULSION
 - 6.8.3 LAUNCH OF NATURAL PLANT PROTECTION HELPED STREAMLINE AND OPTIMIZE RESEARCH, DEVELOPMENT, AND MANUFACTURING OF UPL'S BIOLOGICALLY DERIVED AGRICULTURAL SOLUTIONS
- 6.9 TRADE ANALYSIS
 - 6.9.1 EXPORT SCENARIO FOR HS CODE 380892
 - 6.9.2 IMPORT SCENARIO FOR HS CODE 380892
- 6.10 KEY CONFERENCES & EVENTS
- 6.11 REGULATORY LANDSCAPE
 - 6.11.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

6.11.2 NORTH AMERICA

6.11.2.1 US

6.11.2.1.1 Product registration for pesticides in US

6.11.2.2 Canada

6.11.2.2.1 Pesticide regulations in Canada

6.11.3 EUROPE

6.11.3.1 Data requirements for plant protection products

6.11.3.2 UK

6.11.3.3 Germany

6.11.4 ASIA PACIFIC

6.11.4.1 China

6.11.4.2 Australia

6.11.4.2.1 Approval of active constituents for use in Australia

6.11.4.3 India

6.11.4.3.1 Data requirements for technical ingredients

6.11.5 SOUTH AMERICA

6.11.5.1 Brazil

6.11.5.2 Argentina

6.11.6 ROW

6.11.6.1 South Africa

6.12 PORTER'S FIVE FORCES ANALYSIS

6.12.1 INTENSITY OF COMPETITIVE RIVALRY

6.12.2 BARGAINING POWER OF SUPPLIERS

6.12.3 BARGAINING POWER OF BUYERS

6.12.4 THREAT OF SUBSTITUTES

6.12.5 THREAT OF NEW ENTRANTS

6.13 KEY STAKEHOLDERS AND BUYING CRITERIA

6.13.1 KEY STAKEHOLDERS IN BUYING PROCESS

6.13.2 BUYING CRITERIA

6.14 INVESTMENT AND FUNDING SCENARIO

7 FUNGICIDES MARKET, BY TYPE

7.1 INTRODUCTION

7.2 BIOLOGICAL FUNGICIDES

7.2.1 LOW COSTS AND HEAT-WITHSTANDING ABILITY OF BIOLOGICAL FUNGICIDES TO DRIVE MARKET

7.2.2 MICROBIALS

7.2.2.1 Remarkable control efficacy against numerous plant diseases to boost market

7.2.2.2 Fungal-based microbials

7.2.2.3 Bacterial-based microbials

7.2.2.4 Other microbials

7.2.3 BIOCHEMICALS

7.2.3.1 Ability to control in vitro and in vivo fungal pathogens to propel market growth

7.2.3.2 Plant-derived biochemicals

7.2.3.3 Essential oils

7.2.3.4 Chitosan

7.2.3.5 Alginates

7.2.3.6 Other biochemicals

7.2.4 MACROBIALS

7.2.4.1 Natural and sustainable approach for disease control to fuel market growth

7.3 CHEMICAL FUNGICIDES

7.3.1 USE OF CHEMICAL FUNGICIDES IN INDUSTRIAL AGRICULTURE TO BOLSTER MARKET GROWTH

7.3.2 TRIAZOLE

7.3.2.1 Role in providing robust and reliable disease management solutions for modern agriculture to foster growth

7.3.3 STROBILURINS

7.3.3.1 Ability to control fungal pathogens to drive market

7.3.4 DITHIOCARBAMATES

7.3.4.1 Rising need to develop alternatives that address both fungicidal and nutritional needs in agriculture to accelerate market growth

7.3.5 CHLORONITRILES

7.3.5.1 Broad-spectrum protection against wide range of diseases to fuel market growth

7.3.6 PHENYLAMIDES

7.3.6.1 Effectiveness against oomycete pathogens to drive market

7.3.7 BENZIMIDAZOLES

7.3.7.1 Ban on carbendazim due to its high toxicity to impact market growth

7.3.8 CARBOXAMIDES

7.3.8.1 Prevent fungi from fully utilizing oxygen and producing energy by inhibiting respiratory enzyme

7.3.9 OTHER CHEMICAL FUNGICIDES

8 FUNGICIDES MARKET, BY FORMULATION

8.1 INTRODUCTION

8.2 LIQUID

8.2.1 HIGH STABILITY AND HYDROLYTIC SOLUBILITY TO DRIVE MARKET

8.2.2 SUSPENSION CONCENTRATES

8.2.2.1 Ease of use and effectiveness to boost market

8.2.3 EMULSIFIABLE CONCENTRATES

8.2.3.1 Advantages such as non-abrasiveness and minimal visible residues to fuel market growth

8.2.4 SOLUBLE LIQUID FLOWABLE

8.2.4.1 Multi-site protection from fungal infections to accelerate market growth

8.3 DRY

8.3.1 ABILITY TO BE USED IN INACCESSIBLE AREAS, SUCH AS CRACKS AND CREVICES, TO PROPEL MARKET GROWTH

8.3.2 WETTABLE POWDER (WP)

8.3.2.1 Non-phytotoxicity and handling ease to foster market growth

8.3.3 WATER-DISPERSIBLE GRANULES

8.3.3.1 Improved application efficiency and effectiveness to boost demand for water-dispersible granules

9 FUNGICIDES MARKET, BY MODE OF ACTION

9.1 INTRODUCTION

9.2 CONTACT FUNGICIDES

9.2.1 LOW COST, MINIMAL RESIDUAL EFFECT, AND MULTI-SITE MODE OF ACTION TO DRIVE MARKET

9.3 SYSTEMIC FUNGICIDES

9.3.1 CURATIVE DISEASE CONTROL, INTERNAL PROTECTION, AND TRANSLOCATION TO HIDDEN PLANT PARTS TO DRIVE MARKET

10 FUNGICIDES MARKET, BY MODE OF APPLICATION

10.1 INTRODUCTION

10.2 SEED TREATMENT

10.2.1 INCREASING DEMAND FOR EFFECTIVE AND COST-EFFECTIVE DISEASE CONTROL MEASURES AGAINST SEED-BORNE PATHOGENS TO DRIVE MARKET

10.3 SOIL TREATMENT

10.3.1 SOIL TREATMENT WITH FUNGICIDES TO ENHANCE CROPS' ABILITY TO FIGHT AGAINST FUNGAL INFESTATION

10.4 FOLIAR SPRAY

10.4.1 FOLIAR TREATMENTS TO HELP BOOST NATURAL DISEASE RESISTANCE

10.5 OTHER MODES OF APPLICATION

11 FUNGICIDES MARKET, BY CROP TYPE

11.1 INTRODUCTION

11.2 CEREALS & GRAINS

11.2.1 INCREASE IN PRODUCTION LEVELS OF CEREALS IN MAJOR EXPORTING COUNTRIES TO DRIVE MARKET

11.2.2 CORN

11.2.2.1 Demand for corn-based ethanol production to bolster market growth

11.2.3 WHEAT

11.2.3.1 Fungicides to help wheat crops improve plant health, increase stability, and protect yield

11.2.4 RICE

11.2.4.1 Rising demand for gluten-free products and introduction of new rice-based products to drive market

11.2.5 OTHER CEREALS & GRAINS

11.3 OILSEEDS & PULSES

11.3.1 SURGING DEMAND FOR OILSEEDS & PULSES IN DEVELOPING COUNTRIES TO PROPEL MARKET GROWTH

11.3.2 SOYBEAN

11.3.2.1 Shift in dietary preferences toward plant-based protein products to fuel market growth

11.3.3 SUNFLOWER

11.3.3.1 Fungicides integral to maintaining healthy sunflower crops, ensuring high yields and quality

11.3.4 OTHER OILSEEDS & PULSES

11.4 FRUITS & VEGETABLES

11.4.1 SIGNIFICANT RISE IN FRUIT AND VEGETABLE PRODUCTION TO PROPEL MARKET GROWTH

11.4.2 POME FRUITS

11.4.2.1 Surging demand for high-level preventive control of numerous pome fruit diseases to fuel market growth

11.4.3 CITRUS FRUITS

11.4.3.1 Increasing production to drive demand for fungicides

11.4.4 LEAFY VEGETABLES

11.4.4.1 Increasing need for effective fungicide control of Downey mildew in leafy vegetables to aid market growth

11.4.5 BERRIES

11.4.5.1 Rising production of berries to spike market growth

11.4.6 ROOT & TUBER VEGETABLES

11.4.6.1 Infestation of fungal diseases in root and tuber vegetables to drive fungicide usage

11.4.7 OTHER FRUITS & VEGETABLES

11.5 OTHER CROP TYPES

12 FUNGICIDES MARKET, BY REGION

12.1 INTRODUCTION

12.2 NORTH AMERICA

12.2.1 US

12.2.1.1 Agricultural innovations and process improvements in farming sector to boost market

12.2.2 CANADA

12.2.2.1 Introduction of new biological fungicide products to drive market

12.2.3 MEXICO

12.2.3.1 Rising demand for organic produce to accelerate market growth

12.3 EUROPE

12.3.1 GERMANY

12.3.1.1 Product innovation and investments to accelerate market growth

12.3.2 UK

12.3.2.1 Increased yield and reduced cost of labor to foster market growth

12.3.3 FRANCE

12.3.3.1 Government initiatives to drive demand for biological fungicide products

12.3.4 SPAIN

12.3.4.1 Prevalence of Botrytis disease in Spain leading to demand for new fungicides

12.3.5 ITALY

12.3.5.1 New product developments and launches to fuel market growth

12.3.6 RUSSIA

12.3.6.1 Decline in price of active ingredients from China and sanctions to impact market growth

12.3.7 REST OF EUROPE

12.4 ASIA PACIFIC

12.4.1 CHINA

12.4.1.1 Government regulations to boost demand for advanced fungicide solutions

12.4.2 INDIA

12.4.2.1 Surging demand for broad-spectrum disease control and enhanced crop

resilience to fuel market growth

12.4.3 JAPAN

12.4.3.1 Adoption of advanced agricultural practices to propel market growth

12.4.4 AUSTRALIA

12.4.4.1 Increasing consumption of fungicides and growing export of grain crops to boost market

12.4.5 INDONESIA

12.4.5.1 Government initiatives aimed at achieving food self-sufficiency to accelerate market growth

12.4.6 REST OF ASIA PACIFIC

12.5 SOUTH AMERICA

12.5.1 BRAZIL

12.5.1.1 Focus on developing fungicidal mixture products to boost market

12.5.2 ARGENTINA

12.5.2.1 Advanced agricultural practices to drive growth

12.5.3 REST OF SOUTH AMERICA

12.6 ROW

12.6.1 MIDDLE EAST

12.6.1.1 Rising export and consumption of organic produce likely to drive application of biofungicides

12.6.2 AFRICA

12.6.2.1 Launch of innovative fungicides to drive market

13 COMPETITIVE LANDSCAPE

13.1 OVERVIEW

13.2 KEY PLAYER STRATEGIES/RIGHT TO WIN

13.3 SEGMENTAL REVENUE ANALYSIS

13.4 MARKET SHARE ANALYSIS, 2023

13.4.1 MARKET RANKING ANALYSIS

13.4.2 BASF SE (GERMANY)

13.4.3 BAYER AG (GERMANY)

13.4.4 SYNGENTA GROUP (SWITZERLAND)

13.4.5 CORTEVA (US)

13.4.6 SUMITOMO CHEMICAL CO., LTD. (JAPAN)

13.5 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023

13.5.1 STARS

13.5.2 EMERGING LEADERS

13.5.3 PERVASIVE PLAYERS

13.5.4 PARTICIPANTS

13.5.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023

13.5.5.1 Company footprint

13.5.5.2 Type footprint

13.5.5.3 Formulation footprint

13.5.5.4 Mode of application footprint

13.5.5.5 Region footprint

13.6 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023

13.6.1 PROGRESSIVE COMPANIES

13.6.2 RESPONSIVE COMPANIES

13.6.3 DYNAMIC COMPANIES

13.6.4 STARTING BLOCKS

13.6.5 COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2023

13.6.5.1 Detailed list of key startups/SMEs

13.6.5.2 Competitive benchmarking of key startups/SMEs

13.7 COMPANY VALUATION AND FINANCIAL METRICS

13.8 BRAND/PRODUCT/SERVICE ANALYSIS

13.9 COMPETITIVE SCENARIO AND TRENDS

13.9.1 PRODUCT LAUNCHES

13.9.2 DEALS

13.9.3 EXPANSIONS

14 COMPANY PROFILES

14.1 KEY PLAYERS

14.1.1 BASF SE

14.1.1.1 Business overview

14.1.1.2 Products/Solutions/Services offered

14.1.1.3 Recent developments

14.1.1.3.1 Product launches

14.1.1.3.2 Deals

14.1.1.3.3 Expansions

14.1.1.4 MnM view

14.1.1.4.1 Key strengths

14.1.1.4.2 Strategic choices

14.1.1.4.3 Weaknesses and competitive threats

14.1.2 BAYER AG

14.1.2.1 Business overview

14.1.2.2 Products/Solutions/Services offered

- 14.1.2.3 Recent developments
 - 14.1.2.3.1 Product launches
 - 14.1.2.3.2 Deals
 - 14.1.2.3.3 Expansions
- 14.1.2.4 MnM view
 - 14.1.2.4.1 Key strengths
 - 14.1.2.4.2 Strategic choices
 - 14.1.2.4.3 Weaknesses and competitive threats
- 14.1.3 CORTEVA
 - 14.1.3.1 Business overview
 - 14.1.3.2 Products/Solutions/Services offered
 - 14.1.3.3 Recent developments
 - 14.1.3.3.1 Product launches
 - 14.1.3.3.2 Deals
 - 14.1.3.4 MnM view
 - 14.1.3.4.1 Key strengths
 - 14.1.3.4.2 Strategic choices
 - 14.1.3.4.3 Weaknesses and competitive threats
- 14.1.4 SYNGENTA GROUP
 - 14.1.4.1 Business overview
 - 14.1.4.2 Products/Solutions/Services offered
 - 14.1.4.3 Recent developments
 - 14.1.4.3.1 Product launches
 - 14.1.4.3.2 Deals
 - 14.1.4.4 MnM view
 - 14.1.4.4.1 Key strengths
 - 14.1.4.4.2 Strategic choices
 - 14.1.4.4.3 Weaknesses and competitive threats
- 14.1.5 FMC CORPORATION
 - 14.1.5.1 Business overview
 - 14.1.5.2 Products/Solutions/Services offered
 - 14.1.5.3 Recent developments
 - 14.1.5.3.1 Product launches
 - 14.1.5.3.2 Deals
 - 14.1.5.4 MnM view
 - 14.1.5.4.1 Key strengths
 - 14.1.5.4.2 Strategic choices
 - 14.1.5.4.3 Weaknesses and competitive threats
- 14.1.6 UPL

- 14.1.6.1 Business overview
- 14.1.6.2 Products/Solutions/Services offered
- 14.1.6.3 Recent developments
 - 14.1.6.3.1 Product launches
 - 14.1.6.3.2 Deals
- 14.1.6.4 MnM view
- 14.1.7 SUMITOMO CHEMICAL CO., LTD.
 - 14.1.7.1 Business overview
 - 14.1.7.2 Products/Solutions/Services offered
 - 14.1.7.3 Recent developments
 - 14.1.7.3.1 Product launches
 - 14.1.7.3.2 Deals
 - 14.1.7.3.3 Expansions
 - 14.1.7.4 MnM view
- 14.1.8 NIPPON SODA CO, LTD.
 - 14.1.8.1 Business overview
 - 14.1.8.2 Products/Solutions/Services offered
 - 14.1.8.3 Recent developments
 - 14.1.8.3.1 Product launches
 - 14.1.8.4 MnM view
- 14.1.9 NUFARM
 - 14.1.9.1 Business overview
 - 14.1.9.2 Products/Solutions/Services offered
 - 14.1.9.3 Recent developments
 - 14.1.9.3.1 Product launches
 - 14.1.9.3.2 Deals
 - 14.1.9.4 MnM view
- 14.1.10 NISSAN CHEMICAL CORPORATION
 - 14.1.10.1 Business overview
 - 14.1.10.2 Products/Solutions/Services offered
 - 14.1.10.3 Recent developments
 - 14.1.10.3.1 Product launches
 - 14.1.10.3.2 Deals
 - 14.1.10.3.3 Expansions
 - 14.1.10.4 MnM view
- 14.1.11 AMERICAN VANGUARD CORPORATION
 - 14.1.11.1 Business overview
 - 14.1.11.2 Products/Solutions/Services offered
 - 14.1.11.3 Recent developments

- 14.1.11.3.1 Deals
- 14.1.11.4 MnM view
- 14.1.12 KUMIAI CHEMICAL INDUSTRY CO., LTD
 - 14.1.12.1 Business overview
 - 14.1.12.2 Products/Solutions/Services offered
 - 14.1.12.3 Recent developments
 - 14.1.12.3.1 Product launches
 - 14.1.12.4 MnM view
- 14.1.13 GOWAN COMPANY
 - 14.1.13.1 Business overview
 - 14.1.13.2 Product/Solutions/Services offered
 - 14.1.13.3 Recent developments
 - 14.1.13.3.1 Product launches
 - 14.1.13.3.2 Deals
 - 14.1.13.3.3 Expansions
 - 14.1.13.4 MnM view
- 14.1.14 ALBAUGH LLC
 - 14.1.14.1 Business overview
 - 14.1.14.2 Products/Solutions/Services offered
 - 14.1.14.3 Recent developments
 - 14.1.14.3.1 Product launches
 - 14.1.14.3.2 Deals
 - 14.1.14.4 MnM view
- 14.1.15 KOPPERT
 - 14.1.15.1 Business overview
 - 14.1.15.2 Products/Solutions/Services offered
 - 14.1.15.3 Recent developments
 - 14.1.15.3.1 Deals
 - 14.1.15.3.2 Expansions
 - 14.1.15.4 MnM view
- 14.2 OTHER PLAYERS (SMES/STARTUPS)
 - 14.2.1 SIPCAM OXON SPA
 - 14.2.1.1 Business overview
 - 14.2.1.2 Products/Solutions/Services offered
 - 14.2.1.3 Recent developments
 - 14.2.1.3.1 Expansions
 - 14.2.2 CERTIS USA L.L.C.
 - 14.2.2.1 Business overview
 - 14.2.2.2 Products/Solutions/Services offered

- 14.2.2.3 Recent developments
 - 14.2.2.3.1 Product launches
 - 14.2.2.3.2 Deals
 - 14.2.2.3.3 Other developments
- 14.2.3 BIOBEST GROUP NV
 - 14.2.3.1 Business overview
 - 14.2.3.2 Products/Solutions/Services offered
 - 14.2.3.3 Recent developments
 - 14.2.3.3.1 Product launches
 - 14.2.3.3.2 Deals
- 14.2.4 STK BIO-AG TECHNOLOGIES
 - 14.2.4.1 Business overview
 - 14.2.4.2 Products/Solutions/Services offered
 - 14.2.4.3 Recent developments
 - 14.2.4.3.1 Product launches
- 14.2.5 VERDESIAN LIFE SCIENCES
 - 14.2.5.1 Business overview
 - 14.2.5.2 Product/Solutions/Services offered
- 14.2.6 VIVE CROP PROTECTION
- 14.2.7 CRYSTAL CROP PROTECTION LTD.
- 14.2.8 ATTICUS, LLC
- 14.2.9 SCIMPLIFY
- 14.2.10 BOTANO HEALTH

15 ADJACENT AND RELATED MARKETS

- 15.1 INTRODUCTION
- 15.2 LIMITATIONS
- 15.3 CROP PROTECTION CHEMICALS MARKET
 - 15.3.1 MARKET DEFINITION
 - 15.3.2 MARKET OVERVIEW
- 15.4 BIORATIONAL PESTICIDES MARKET
 - 15.4.1 MARKET DEFINITION
 - 15.4.2 MARKET OVERVIEW
- 15.5 AGROCHEMICALS MARKET
 - 15.5.1 MARKET DEFINITION
 - 15.5.2 MARKET OVERVIEW

16 APPENDIX

16.1 DISCUSSION GUIDE

16.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

16.3 CUSTOMIZATION OPTIONS

16.4 RELATED REPORTS

16.5 AUTHOR DETAILS 328

TABLE 1 FUNGICIDES MARKET: INCLUSIONS & EXCLUSIONS

TABLE 2 USD EXCHANGE RATES CONSIDERED, 2019–2023

TABLE 3 KEY DATA FROM PRIMARY SOURCES

TABLE 4 FUNGICIDES MARKET SNAPSHOT, 2024 VS. 2029

TABLE 5 FUNGICIDES MARKET: ECOSYSTEM

TABLE 6 AVERAGE SELLING PRICE (ASP) TREND OF KEY PLAYERS, BY TYPE, 2023 (USD/KG)

TABLE 7 AVERAGE SELLING PRICE (ASP) TREND OF FUNGICIDES, BY TYPE,

2019–2023 (USD/KG)

TABLE 8 CHEMICAL FUNGICIDES: AVERAGE SELLING PRICE (ASP) TREND, BY REGION, 2019–2023 (USD/KG)

TABLE 9 BIOLOGICAL FUNGICIDES: AVERAGE SELLING PRICE (ASP) TREND, BY REGION, 2019–2023 (USD/KG)

TABLE 10 KEY PATENTS PERTAINING TO FUNGICIDES MARKET, 2014–2024

TABLE 11 EXPORT VALUE OF HS CODE 380892, BY KEY COUNTRY,

2019–2023 (USD THOUSAND)

TABLE 12 IMPORT VALUE OF HS CODE 380892, BY KEY COUNTRY,

2019–2023 (USD THOUSAND)

TABLE 13 FUNGICIDES MARKET: DETAILED LIST OF CONFERENCES AND EVENTS,

2024–2025

TABLE 14 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 15 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 16 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES,
AND OTHER ORGANIZATIONS

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

TABLE 18 MIDDLE EAST: REGULATORY BODIES, GOVERNMENT AGENCIES,
AND OTHER ORGANIZATIONS

TABLE 19 PORTER'S FIVE FORCES IMPACT ON FUNGICIDES MARKET

TABLE 20 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS, BY MODE OF
APPLICATION

TABLE 21 KEY BUYING CRITERIA, BY MODE OF APPLICATION

TABLE 22 FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 23 FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 24 FUNGICIDES MARKET, BY TYPE, 2019–2023 (KT)

TABLE 25 FUNGICIDES MARKET, BY TYPE, 2024–2029 (KT)

TABLE 26 BIOLOGICAL FUNGICIDES MARKET, BY REGION, 2019–2023 (USD
MILLION)

TABLE 27 BIOLOGICAL FUNGICIDES MARKET, BY REGION, 2024–2029 (USD
MILLION)

TABLE 28 BIOLOGICAL FUNGICIDES MARKET, BY REGION, 2019–2023 (KT)

TABLE 29 BIOLOGICAL FUNGICIDES MARKET, BY REGION, 2024–2029 (KT)

TABLE 30 BIOLOGICAL FUNGICIDES MARKET, BY SUBTYPE, 2019–2023 (USD
MILLION)

TABLE 31 BIOLOGICAL FUNGICIDES MARKET, BY SUBTYPE, 2024–2029 (USD
MILLION)

TABLE 32 BIOLOGICAL FUNGICIDES MARKET, BY MICROBIAL, 2019–2023 (USD
MILLION)

TABLE 33 BIOLOGICAL FUNGICIDES MARKET, BY MICROBIAL, 2024–2029 (USD
MILLION)

TABLE 34 BIOLOGICAL FUNGICIDES MARKET, BY BIOCHEMICAL, 2019–2023
(USD MILLION)

TABLE 35 BIOLOGICAL FUNGICIDES MARKET, BY BIOCHEMICAL, 2024–2029
(USD MILLION)

TABLE 36 CHEMICAL FUNGICIDES MARKET, BY REGION, 2019–2023 (USD
MILLION)

TABLE 37 CHEMICAL FUNGICIDES MARKET, BY REGION, 2024–2029 (USD
MILLION)

TABLE 38 CHEMICAL FUNGICIDES MARKET, BY REGION, 2019–2023 (KT)

TABLE 39 CHEMICAL FUNGICIDES MARKET, BY REGION, 2024–2029 (KT)

TABLE 40 CHEMICAL FUNGICIDES MARKET, BY SUBTYPE, 2019–2023 (USD

MILLION)

TABLE 41 CHEMICAL FUNGICIDES MARKET, BY SUBTYPE, 2024–2029 (USD MILLION)

TABLE 42 FUNGICIDES MARKET, BY FORMULATION, 2019–2023 (USD MILLION)

TABLE 43 FUNGICIDES MARKET, BY FORMULATION, 2024–2029 (USD MILLION)

TABLE 44 LIQUID FUNGICIDES MARKET, BY SUBTYPE, 2019–2023 (USD MILLION)

TABLE 45 LIQUID FUNGICIDES MARKET, BY SUBTYPE, 2024–2029 (USD MILLION)

TABLE 46 LIQUID FUNGICIDES MARKET, BY REGION, 2019–2023 (USD MILLION)

TABLE 47 LIQUID FUNGICIDES MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 48 DRY FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 49 DRY FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 50 DRY FUNGICIDES MARKET, BY REGION, 2019–2023 (USD MILLION)

TABLE 51 DRY FUNGICIDES MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 52 FUNGICIDES MARKET, BY MODE OF ACTION, 2019–2023 (USD MILLION)

TABLE 53 FUNGICIDES MARKET, BY MODE OF ACTION, 2024–2029 (USD MILLION)

TABLE 54 CONTACT FUNGICIDES MARKET, BY REGION, 2019–2023 (USD MILLION)

TABLE 55 CONTACT FUNGICIDES MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 56 SYSTEMIC FUNGICIDES MARKET, BY REGION, 2019–2023 (USD MILLION)

TABLE 57 SYSTEMIC FUNGICIDES MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 58 FUNGICIDES MARKET, BY MODE OF APPLICATION, 2019–2023 (USD MILLION)

TABLE 59 FUNGICIDES MARKET, BY MODE OF APPLICATION, 2024–2029 (USD MILLION)

TABLE 60 SEED TREATMENT: FUNGICIDES MARKET, BY REGION, 2019–2023 (USD MILLION)

TABLE 61 SEED TREATMENT: FUNGICIDES MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 62 SOIL TREATMENT: FUNGICIDES MARKET, BY REGION, 2019–2023 (USD MILLION)

TABLE 63 SOIL TREATMENT: FUNGICIDES MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 64 FOLIAR SPRAY: FUNGICIDES MARKET, BY REGION, 2019–2023 (USD MILLION)

TABLE 65 FOLIAR SPRAY: FUNGICIDES MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 66 OTHER MODES OF APPLICATION: FUNGICIDES MARKET, BY REGION,

2019–2023 (USD MILLION)

TABLE 67 OTHER MODES OF APPLICATION: FUNGICIDES MARKET, BY REGION,

2024–2029 (USD MILLION)

TABLE 68 FUNGICIDES MARKET, BY CROP TYPE, 2019–2023 (USD MILLION)

TABLE 69 FUNGICIDES MARKET, BY CROP TYPE, 2024–2029 (USD MILLION)

TABLE 70 CEREALS & GRAINS: FUNGICIDES MARKET, BY SUBTYPE,

2019–2023 (USD MILLION)

TABLE 71 CEREALS & GRAINS: FUNGICIDES MARKET, BY SUBTYPE,

2024–2029 (USD MILLION)

TABLE 72 CEREALS & GRAINS: FUNGICIDES MARKET, BY REGION,

2019–2023 (USD MILLION)

TABLE 73 CEREALS & GRAINS: FUNGICIDES MARKET, BY REGION,

2024–2029 (USD MILLION)

TABLE 74 OILSEEDS & PULSES: FUNGICIDES MARKET, BY SUBTYPE,

2019–2023 (USD MILLION)

TABLE 75 OILSEEDS & PULSES: FUNGICIDES MARKET, BY SUBTYPE,

2024–2029 (USD MILLION)

TABLE 76 OILSEEDS & PULSES: FUNGICIDES MARKET, BY REGION,

2019–2023 (USD MILLION)

TABLE 77 OILSEEDS & PULSES: FUNGICIDES MARKET, BY REGION,

2024–2029 (USD MILLION)

TABLE 78 FRUITS & VEGETABLES: FUNGICIDES MARKET, BY SUBTYPE,

2019–2023 (USD MILLION)

TABLE 79 FRUITS & VEGETABLES: FUNGICIDES MARKET, BY SUBTYPE,

2024–2029 (USD MILLION)

TABLE 80 FRUITS & VEGETABLES: FUNGICIDES MARKET, BY REGION,

2019–2023 (USD MILLION)

TABLE 81 FRUITS & VEGETABLES: FUNGICIDES MARKET, BY REGION,

2024–2029 (USD MILLION)

TABLE 82 OTHER CROP TYPES: FUNGICIDES MARKET, BY REGION,

2019–2023 (USD MILLION)

TABLE 83 OTHER CROP TYPES: FUNGICIDES MARKET, BY REGION,

2024–2029 (USD MILLION)

TABLE 84 FUNGICIDES MARKET, BY REGION, 2019–2023 (USD MILLION)

TABLE 85 FUNGICIDES MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 86 FUNGICIDES MARKET, BY REGION, 2019–2023 (KT)

TABLE 87 FUNGICIDES MARKET, BY REGION, 2024–2029 (KT)

TABLE 88 FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 89 FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 90 FUNGICIDES MARKET, BY TYPE, 2019–2023 (KT)

TABLE 91 FUNGICIDES MARKET, BY TYPE, 2024–2029 (KT)

TABLE 92 FUNGICIDES MARKET, BY CROP TYPE, 2019–2023 (USD MILLION)

TABLE 93 FUNGICIDES MARKET, BY CROP TYPE, 2024–2029 (USD MILLION)

TABLE 94 FUNGICIDES MARKET, BY MODE OF APPLICATION, 2019–2023 (USD MILLION)

TABLE 95 FUNGICIDES MARKET, BY MODE OF APPLICATION, 2024–2029 (USD MILLION)

TABLE 96 FUNGICIDES MARKET, BY FORMULATION, 2019–2023 (USD MILLION)

TABLE 97 FUNGICIDES MARKET, BY FORMULATION, 2024–2029 (USD MILLION)

TABLE 98 FUNGICIDES MARKET, BY MODE OF ACTION, 2019–2023 (USD MILLION)

TABLE 99 FUNGICIDES MARKET, BY MODE OF ACTION, 2024–2029 (USD MILLION)

TABLE 100 NORTH AMERICA: FUNGICIDES MARKET, BY COUNTRY, 2019–2023 (USD MILLION)

TABLE 101 NORTH AMERICA: FUNGICIDES MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 102 NORTH AMERICA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 103 NORTH AMERICA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 104 NORTH AMERICA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (KT)

TABLE 105 NORTH AMERICA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (KT)

TABLE 106 NORTH AMERICA: FUNGICIDES MARKET, BY CROP TYPE,

2019–2023 (USD MILLION)

TABLE 107 NORTH AMERICA: FUNGICIDES MARKET, BY CROP TYPE,

2024–2029 (USD MILLION)

TABLE 108 NORTH AMERICA: FUNGICIDES MARKET, BY MODE OF APPLICATION,

2019–2023 (USD MILLION)

TABLE 109 NORTH AMERICA: FUNGICIDES MARKET, BY MODE OF APPLICATION,

2024–2029 (USD MILLION)

TABLE 110 NORTH AMERICA: FUNGICIDES MARKET, BY FORMULATION,

2019–2023 (USD MILLION)

TABLE 111 NORTH AMERICA: FUNGICIDES MARKET, BY FORMULATION,
2024–2029 (USD MILLION)

TABLE 112 NORTH AMERICA: FUNGICIDES MARKET, BY MODE OF ACTION,
2019–2023 (USD MILLION)

TABLE 113 NORTH AMERICA: FUNGICIDES MARKET, BY MODE OF ACTION,
2024–2029 (USD MILLION)

TABLE 114 US: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 115 US: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 116 CANADA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 117 CANADA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 118 MEXICO: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 119 MEXICO: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 120 EUROPE: FUNGICIDES MARKET, BY COUNTRY, 2019–2023 (USD MILLION)

TABLE 121 EUROPE: FUNGICIDES MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 122 EUROPE: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 123 EUROPE: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 124 EUROPE: FUNGICIDES MARKET, BY TYPE, 2019–2023 (KT)

TABLE 125 EUROPE: FUNGICIDES MARKET, BY TYPE, 2024–2029 (KT)

TABLE 126 EUROPE: FUNGICIDES MARKET, BY CROP TYPE, 2019–2023 (USD MILLION)

TABLE 127 EUROPE: FUNGICIDES MARKET, BY CROP TYPE, 2024–2029 (USD MILLION)

TABLE 128 EUROPE: FUNGICIDES MARKET, BY MODE OF APPLICATION,
2019–2023 (USD MILLION)

TABLE 129 EUROPE: FUNGICIDES MARKET, BY MODE OF APPLICATION,
2024–2029 (USD MILLION)

TABLE 130 EUROPE: FUNGICIDES MARKET, BY FORMULATION, 2019–2023 (USD MILLION)

TABLE 131 EUROPE: FUNGICIDES MARKET, BY FORMULATION, 2024–2029 (USD MILLION)

TABLE 132 EUROPE: FUNGICIDES MARKET, BY MODE OF ACTION, 2019–2023 (USD MILLION)

TABLE 133 EUROPE: FUNGICIDES MARKET, BY MODE OF ACTION, 2024–2029 (USD MILLION)

TABLE 134 GERMANY: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 135 GERMANY: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 136 UK: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 137 UK: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 138 FRANCE: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 139 FRANCE: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 140 SPAIN: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 141 SPAIN: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 142 ITALY: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 143 ITALY: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 144 RUSSIA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 145 RUSSIA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 146 REST OF EUROPE: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 147 REST OF EUROPE: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 148 ASIA PACIFIC: FUNGICIDES MARKET, BY COUNTRY, 2019–2023 (USD MILLION)

TABLE 149 ASIA PACIFIC: FUNGICIDES MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 150 ASIA PACIFIC: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 151 ASIA PACIFIC: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 152 ASIA PACIFIC: FUNGICIDES MARKET, BY TYPE, 2019–2023 (KT)

TABLE 153 ASIA PACIFIC: FUNGICIDES MARKET, BY TYPE, 2024–2029 (KT)

TABLE 154 ASIA PACIFIC: FUNGICIDES MARKET, BY CROP TYPE, 2019–2023 (USD MILLION)

TABLE 155 ASIA PACIFIC: FUNGICIDES MARKET, BY CROP TYPE, 2024–2029

(USD MILLION)

TABLE 156 ASIA PACIFIC: FUNGICIDES MARKET, BY MODE OF APPLICATION,

2019–2023 (USD MILLION)

TABLE 157 ASIA PACIFIC: FUNGICIDES MARKET, BY MODE OF APPLICATION,

2024–2029 (USD MILLION)

TABLE 158 ASIA PACIFIC: FUNGICIDES MARKET, BY FORMULATION,

2019–2023 (USD MILLION)

TABLE 159 ASIA PACIFIC: FUNGICIDES MARKET, BY FORMULATION,

2024–2029 (USD MILLION)

TABLE 160 ASIA PACIFIC: FUNGICIDES MARKET, BY MODE OF ACTION,

2019–2023 (USD MILLION)

TABLE 161 ASIA PACIFIC: FUNGICIDES MARKET, BY MODE OF ACTION,

2024–2029 (USD MILLION)

TABLE 162 CHINA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 163 CHINA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 164 INDIA: FUNGICIDES MARKET, BY TYPE, 2019–2023(USD MILLION)

TABLE 165 INDIA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 166 JAPAN: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 167 JAPAN: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 168 AUSTRALIA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 169 AUSTRALIA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 170 INDONESIA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 171 INDONESIA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 172 REST OF ASIA PACIFIC: FUNGICIDES MARKET, BY TYPE,

2019–2023 (USD MILLION)

TABLE 173 REST OF ASIA PACIFIC: FUNGICIDES MARKET, BY TYPE,

2024–2029 (USD MILLION)

TABLE 174 SOUTH AMERICA: FUNGICIDES MARKET, BY COUNTRY, 2019–2023
(USD MILLION)

TABLE 175 SOUTH AMERICA: FUNGICIDES MARKET, BY COUNTRY, 2024–2029
(USD MILLION)

TABLE 176 SOUTH AMERICA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD
MILLION)

TABLE 177 SOUTH AMERICA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD
MILLION)

TABLE 178 SOUTH AMERICA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (KT)

TABLE 179 SOUTH AMERICA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (KT)

TABLE 180 SOUTH AMERICA: FUNGICIDES MARKET, BY CROP TYPE,

2019–2023 (USD MILLION)

TABLE 181 SOUTH AMERICA: FUNGICIDES MARKET, BY CROP TYPE,

2024–2029 (USD MILLION)

TABLE 182 SOUTH AMERICA: FUNGICIDES MARKET, BY MODE OF APPLICATION,

2019–2023 (USD MILLION)

TABLE 183 SOUTH AMERICA: FUNGICIDES MARKET, BY MODE OF APPLICATION,

2024–2029 (USD MILLION)

TABLE 184 SOUTH AMERICA: FUNGICIDES MARKET, BY FORMULATION,

2019–2023 (USD MILLION)

TABLE 185 SOUTH AMERICA: FUNGICIDES MARKET, BY FORMULATION,

Fungicides Market by Type (Chemical and Biological), Mode of Action (Contact and Systemic), Formulation (Liqui...

2024–2029 (USD MILLION)

TABLE 186 SOUTH AMERICA: FUNGICIDES MARKET, BY MODE OF ACTION,

2019–2023 (USD MILLION)

TABLE 187 SOUTH AMERICA: FUNGICIDES MARKET, BY MODE OF ACTION,

2024–2029 (USD MILLION)

TABLE 188 BRAZIL: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 189 BRAZIL: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 190 ARGENTINA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 191 ARGENTINA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 192 REST OF SOUTH AMERICA: FUNGICIDES MARKET, BY TYPE,

2019–2023 (USD MILLION)

TABLE 193 REST OF SOUTH AMERICA: FUNGICIDES MARKET, BY TYPE,

2024–2029 (USD MILLION)

TABLE 194 ROW: FUNGICIDES MARKET, BY REGION, 2019–2023 (USD MILLION)

TABLE 195 ROW: FUNGICIDES MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 196 ROW: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 197 ROW: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 198 ROW: FUNGICIDES MARKET, BY TYPE, 2019–2023 (KT)

TABLE 199 ROW: FUNGICIDES MARKET, BY TYPE, 2024–2029 (KT)

TABLE 200 ROW: FUNGICIDES MARKET, BY CROP TYPE, 2019–2023 (USD MILLION)

TABLE 201 ROW: FUNGICIDES MARKET, BY CROP TYPE, 2024–2029 (USD MILLION)

TABLE 202 ROW: FUNGICIDES MARKET, BY MODE OF APPLICATION,

2019–2023 (USD MILLION)

TABLE 203 ROW: FUNGICIDES MARKET, BY MODE OF APPLICATION,

2024–2029 (USD MILLION)

TABLE 204 ROW: FUNGICIDES MARKET, BY FORMULATION, 2019–2023 (USD MILLION)

TABLE 205 ROW: FUNGICIDES MARKET, BY FORMULATION, 2024–2029 (USD MILLION)

TABLE 206 ROW: FUNGICIDES MARKET, BY MODE OF ACTION, 2019–2023 (USD MILLION)

TABLE 207 ROW: FUNGICIDES MARKET, BY MODE OF ACTION, 2024–2029 (USD MILLION)

TABLE 208 MIDDLE EAST: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 209 MIDDLE EAST: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 210 AFRICA: FUNGICIDES MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 211 AFRICA: FUNGICIDES MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 212 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN FUNGICIDES MARKET, 2020–2024

TABLE 213 FUNGICIDES MARKET: DEGREE OF COMPETITION

TABLE 214 FUNGICIDES MARKET: TYPE FOOTPRINT

TABLE 215 FUNGICIDES MARKET: FORMULATION FOOTPRINT

TABLE 216 FUNGICIDES MARKET: MODE OF APPLICATION FOOTPRINT

TABLE 217 FUNGICIDES MARKET: REGION FOOTPRINT

TABLE 218 FUNGICIDES MARKET: LIST OF KEY STARTUPS/SMES

TABLE 219 FUNGICIDES MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES, 2023

TABLE 220 FUNGICIDES MARKET: PRODUCT/SERVICE LAUNCHES, JANUARY 2020–AUGUST 2024

TABLE 221 FUNGICIDES MARKET: DEALS, JANUARY 2020–AUGUST 2024

TABLE 222 FUNGICIDES MARKET: EXPANSIONS, JANUARY 2020–AUGUST 2024

TABLE 223 BASF SE: COMPANY OVERVIEW

TABLE 224 BASF SE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 225 BASF SE: PRODUCT LAUNCHES

TABLE 226 BASF SE: DEALS

TABLE 227 BASF SE: EXPANSIONS

TABLE 228 BAYER AG: COMPANY OVERVIEW

TABLE 229 BAYER AG: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 230 BAYER AG: PRODUCT LAUNCHES

TABLE 231 BAYER AG: DEALS

TABLE 232 BAYER AG: EXPANSIONS

TABLE 233 CORTEVA: COMPANY OVERVIEW

TABLE 234 CORTEVA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 235 CORTEVA INC: PRODUCT LAUNCHES

TABLE 236 CORTEVA: DEALS

TABLE 237 SYNGENTA GROUP: COMPANY OVERVIEW

TABLE 238 SYNGENTA GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 239 SYNGENTA GROUP: PRODUCT LAUNCHES

TABLE 240 SYNGENTA GROUP: DEALS

TABLE 241 FMC CORPORATION: COMPANY OVERVIEW

TABLE 242 FMC CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 243 FMC CORPORATION: PRODUCT LAUNCHES

TABLE 244 FMC CORPORATION: DEALS

TABLE 245 UPL: COMPANY OVERVIEW

TABLE 246 UPL: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 247 UPL: PRODUCT LAUNCHES

TABLE 248 UPL: DEALS

TABLE 249 SUMITOMO CHEMICALS CO., LTD: COMPANY OVERVIEW

TABLE 250 SUMITOMO CHEMICAL CO., LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 251 SUMITOMO CHEMICAL CO., LTD.: PRODUCT LAUNCHES

TABLE 252 SUMITOMO CHEMICAL CO., LTD.: DEALS

TABLE 253 SUMITOMO CHEMICAL CO., LTD.: EXPANSIONS

TABLE 254 NIPPON SODA CO. LTD.: COMPANY OVERVIEW

TABLE 255 NIPPON SODA CO., LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 256 NIPPON SODA CO., LTD.: PRODUCT LAUNCHES

TABLE 257 NUFARM: COMPANY OVERVIEW

TABLE 258 NUFARM: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 259 NUFARM: PRODUCT LAUNCHES

TABLE 260 NUFARM: DEALS

TABLE 261 NISSAN CHEMICAL CORPORATION: COMPANY OVERVIEW

TABLE 262 NISSAN CHEMICAL CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 263 NISSAN CHEMICAL CORPORATION: PRODUCT LAUNCHES

TABLE 264 NISSAN CHEMICAL CORPORATION: DEALS

TABLE 265 NISSAN CHEMICAL CORPORATION: EXPANSIONS

TABLE 266 AMERICAN VANGUARD CORPORATION: COMPANY OVERVIEW

TABLE 267 AMERICAN VANGUARD CORPORATION: PRODUCTS/SOLUTIONS/
SERVICES OFFERED

TABLE 268 AMERICAN VANGUARD CORPORATION: DEALS

TABLE 269 KUMIAI CHEMICAL INDUSTRY CO., LTD: COMPANY OVERVIEW

TABLE 270 KUMIAI CHEMICAL INDUSTRY CO., LTD: PRODUCTS/SOLUTIONS/
SERVICES OFFERED

TABLE 271 KUMIAI CHEMICAL INDUSTRY CO., LTD: PRODUCT LAUNCHES

TABLE 272 GOWAN COMPANY: COMPANY OVERVIEW

TABLE 273 GOWAN COMPANY: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 274 GOWAN COMPANY: PRODUCT LAUNCHES

TABLE 275 GOWAN COMPANY: DEALS

TABLE 276 GOWAN COMPANY: EXPANSIONS

TABLE 277 ALBAUGH LLC: COMPANY OVERVIEW

TABLE 278 ALBAUGH LLC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 279 ALBAUGH LLC: PRODUCT LAUNCHES

TABLE 280 ALBAUGH LLC: DEALS

TABLE 281 KOPPERT: COMPANY OVERVIEW

TABLE 282 KOPPERT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 283 KOPPERT: DEALS

TABLE 284 KOPPERT: EXPANSIONS

TABLE 285 SIPCAM OXON SPA: COMPANY OVERVIEW

TABLE 286 SIPCAM OXON SPA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 287 SIPCAM OXON SPA: DEALS

TABLE 288 SIPCAM OXON SPA: EXPANSIONS

TABLE 289 CERTIS USA L.L.C.: COMPANY OVERVIEW

TABLE 290 CERTIS USA L.L.C.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 291 CERTIS USA L.L.C.: PRODUCT LAUNCHES

TABLE 292 CERTIS USA L.L.C.: DEALS

TABLE 293 CERTIS USA L.L.C.: OTHER DEVELOPMENTS

TABLE 294 BIOBEST GROUP NV: COMPANY OVERVIEW

TABLE 295 BIOBEST GROUP NV: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 296 BIOBEST GROUP NV: PRODUCT LAUNCHES

TABLE 297 BIOBEST GROUP NV: DEALS

TABLE 298 STK BIO-AG TECHNOLOGIES: COMPANY OVERVIEW

TABLE 299 STK BIO-AG TECHNOLOGIES: PRODUCTS/SOLUTIONS/SERVICES
OFFERED

TABLE 300 STK BIO-AG TECHNOLOGIES: PRODUCT LAUNCHES

TABLE 301 VERDESIAN LIFE SCIENCES: BUSINESS OVERVIEW

TABLE 302 VERDESIAN LIFE SCIENCES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 303 VIVE CROP PROTECTION: COMPANY OVERVIEW

TABLE 304 CRYSTAL CROP PROTECTION LTD.: COMPANY OVERVIEW

TABLE 305 ATTICUS, LLC: COMPANY OVERVIEW

TABLE 306 SCIMPLIFY: COMPANY OVERVIEW

TABLE 307 BOTANO HEALTH: COMPANY OVERVIEW

TABLE 308 ADJACENT MARKETS

TABLE 309 CROP PROTECTION CHEMICALS MARKET, BY TYPE, 2019–2023 (USD MILLION)

TABLE 310 CROP PROTECTION CHEMICALS MARKET, BY TYPE, 2024–2029 (USD MILLION)

TABLE 311 CROP PROTECTION CHEMICALS MARKET, BY TYPE, 2019–2023 (KT)

TABLE 312 CROP PROTECTION CHEMICALS MARKET, BY TYPE, 2024–2029 (KT)

TABLE 313 LIST OF PLANT PRODUCTS REGISTERED AS BIOPESTICIDES

TABLE 314 BIORATIONAL PESTICIDES MARKET, BY SOURCE, 2018–2022 (USD MILLION)

TABLE 315 BIORATIONAL PESTICIDES MARKET, BY SOURCE, 2023–2028 (USD MILLION)

TABLE 316 AGROCHEMICALS MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 317 AGROCHEMICALS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 318 AGROCHEMICALS MARKET, BY TYPE, 2018–2022 (KILOTONS)

TABLE 319 AGROCHEMICALS MARKET, BY TYPE, 2023–2028 (KILOTONS) 319

FIGURE 1 FUNGICIDES MARKET SEGMENTATION

FIGURE 2 FUNGICIDES MARKET: RESEARCH DESIGN

FIGURE 3 FUNGICIDES MARKET: DEMAND-SIDE CALCULATION

FIGURE 4 FUNGICIDES MARKET SIZE ESTIMATION STEPS AND RESPECTIVE SOURCES: SUPPLY SIDE

FIGURE 5 FUNGICIDES MARKET: SUPPLY-SIDE ANALYSIS

FIGURE 6 DATA TRIANGULATION METHODOLOGY

FIGURE 7 CHEMICAL FUNGICIDES TO DOMINATE MARKET DURING FORECAST PERIOD

FIGURE 8 LIQUID FORMULATIONS TO HOLD LARGER SHARE DURING FORECAST PERIOD

FIGURE 9 SYSTEMIC FUNGICIDES TO ACCOUNT FOR LARGER MARKET SHARE DURING FORECAST PERIOD

FIGURE 10 FUNGICIDES MARKET, BY MODE OF APPLICATION, 2024 VS. 2029 (USD MILLION)

FIGURE 11 FUNGICIDES MARKET, BY CROP TYPE, 2024 VS. 2029 (USD MILLION)

FIGURE 12 FUNGICIDES MARKET SHARE (2023) AND CAGR (2024–2029), BY REGION

FIGURE 13 INCREASING AGRICULTURAL PRODUCTIVITY DEMANDS AND ADOPTION OF ADVANCED FARMING PRACTICES TO DRIVE MARKET

FIGURE 14 CHEMICAL FUNGICIDES SEGMENT & CHINA TO ACCOUNT FOR LARGEST

SHARES IN 2024

FIGURE 15 US TO ACCOUNT FOR LARGEST SHARE (BY VALUE) IN 2024

FIGURE 16 CHEMICAL FUNGICIDES SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE IN ASIA PACIFIC DURING FORECAST PERIOD

FIGURE 17 LIQUID SEGMENT TO DOMINATE MARKET DURING REVIEW PERIOD

FIGURE 18 SYSTEMIC SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE DURING STUDY PERIOD

FIGURE 19 FOLIAR SPRAY TO ACCOUNT FOR LARGEST MARKET SHARE DURING STUDY PERIOD

FIGURE 20 CEREALS & GRAINS TO ACCOUNT FOR LARGEST MARKET SHARE DURING STUDY PERIOD

FIGURE 21 GLOBAL AGRICULTURAL FUNGICIDES & BACTERICIDES USE LAND,

2018–2022 (KT)

FIGURE 22 GLOBAL AGRICULTURAL LAND AREA (2017–2021)

FIGURE 23 AREA HARVESTED UNDER FRUITS AND VEGETABLES, 2018–2022 (MILLION HECTARES)

FIGURE 24 FUNGICIDES MARKET DYNAMICS

FIGURE 25 ADOPTION OF GEN AI IN FUNGICIDE PRODUCTION PROCESS

FIGURE 26 FUNGICIDES MARKET: TRENDS/DISRUPTING IMPACTING CUSTOMERS' BUSINESSES

FIGURE 27 FUNGICIDES MARKET: VALUE CHAIN ANALYSIS

FIGURE 28 KEY STAKEHOLDERS IN FUNGICIDES MARKET ECOSYSTEM

FIGURE 29 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TYPE, 2023

FIGURE 30 AVERAGE SELLING PRICE TREND OF FUNGICIDES, BY TYPE, 2019–2023 (USD/KG)

FIGURE 31 CHEMICAL FUNGICIDES: AVERAGE SELLING PRICE TREND, BY REGION (USD/KG)

FIGURE 32 BIOLOGICAL FUNGICIDES: AVERAGE SELLING PRICE TREND, BY REGION (USD/KG)

FIGURE 33 PATENTS GRANTED FOR FUNGICIDES MARKET, 2014–2024

FIGURE 34 REGIONAL ANALYSIS OF PATENTS GRANTED FOR FUNGICIDES

MARKET,

2014–2024

FIGURE 35 EXPORT VALUE FOR HS CODE 380892, BY KEY COUNTRY,

2019–2023 (USD THOUSAND)

FIGURE 36 IMPORT VALUE OF HS CODE 380892, BY KEY COUNTRY,

2019–2023 (USD THOUSAND)

FIGURE 37 FUNGICIDES MARKET: PORTER'S FIVE FORCES ANALYSIS

FIGURE 38 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS, BY MODE OF APPLICATION

FIGURE 39 KEY BUYING CRITERIA, BY MODE OF APPLICATION

FIGURE 40 INVESTMENT & FUNDING SCENARIO OF FEW MAJOR PLAYERS

FIGURE 41 FUNGICIDES MARKET, BY TYPE, 2024 VS. 2029 (USD MILLION)

FIGURE 42 FUNGICIDES MARKET, BY FORMULATION, 2024 VS. 2029 (USD MILLION)

FIGURE 43 FUNGICIDES MARKET, BY MODE OF ACTION, 2024 VS. 2029 (USD MILLION)

FIGURE 44 FUNGICIDES MARKET, BY MODE OF APPLICATION, 2024 VS. 2029 (USD MILLION)

FIGURE 45 FUNGICIDES MARKET, BY CROP TYPE, 2024 VS. 2029 (USD MILLION)

FIGURE 46 SPAIN PROJECTED TO RECORD HIGHEST CAGR IN FUNGICIDES MARKET

FIGURE 47 ASIA PACIFIC: FUNGICIDES MARKET SNAPSHOT

FIGURE 48 SOUTH AMERICA: FUNGICIDES MARKET SNAPSHOT

FIGURE 49 SEGMENTAL REVENUE ANALYSIS OF KEY PLAYERS, 2019–2023 (USD BILLION)

FIGURE 50 FUNGICIDES MARKET: MARKET SHARE ANALYSIS, 2023

FIGURE 51 RANKING OF TOP FIVE PLAYERS IN FUNGICIDES MARKET, 2023

FIGURE 52 FUNGICIDES MARKET: COMPANY EVALUATION MATRIX (KEY PLAYERS), 2023

FIGURE 53 COMPANY FOOTPRINT

FIGURE 54 FUNGICIDES MARKET: COMPANY EVALUATION MATRIX (STARTUPS/SMES), 2023

FIGURE 55 COMPANY VALUATION OF FEW MAJOR PLAYERS

FIGURE 56 EV/EBITDA OF KEY COMPANIES

FIGURE 57 BRAND/PRODUCT/SERVICE ANALYSIS, BY KEY BRAND

FIGURE 58 BASF SE: COMPANY SNAPSHOT

FIGURE 59 BAYER AG: COMPANY SNAPSHOT

FIGURE 60 CORTEVA: COMPANY SNAPSHOT

FIGURE 61 SYNGENTA GROUP: COMPANY SNAPSHOT

FIGURE 62 FMC CORPORATION: COMPANY SNAPSHOT

FIGURE 63 UPL LTD: COMPANY SNAPSHOT

FIGURE 64 SUMITOMO CHEMICALS CO., LTD.: COMPANY SNAPSHOT

FIGURE 65 NIPPON SODA CO. LTD: COMPANY SNAPSHOT

FIGURE 66 NUFARM: COMPANY SNAPSHOT

FIGURE 67 NISSAN CHEMICAL CORPORATION: COMPANY SNAPSHOT

FIGURE 68 AMERICAN VANGUARD CORPORATION: COMPANY SNAPSHOT

FIGURE 69 KUMIAI CHEMICAL INDUSTRY CO., LTD: COMPANY SNAPSHOT

I would like to order

Product name: Fungicides Market by Type (Chemical and Biological), Mode of Action (Contact and Systemic), Formulation (Liquid and Dry), Mode of Application (Foliar Spray, Seed Treatment, and Soil Treatment), Crop Type and Region - Global Forecast to 2029

Product link: <https://marketpublishers.com/r/FFACDFE0ED5EN.html>

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

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/FFACDFE0ED5EN.html>