

Agricultural Microbials - Global Market Outlook (2020-2028)

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Abstracts

According to Statistics MRC, the Global Agricultural Microbials Market is accounted for \$6.00 billion in 2020 and is expected to reach \$19.94 billion by 2028 growing at a CAGR of 16.2% during the forecast period. Some of the key factors propelling the market growth include rise in adoption of integrated pest management (IPM) practices across the globe, rising trend of adopting organic farming practices, increasing demand for production of food, owing to the constantly growing global population, requirement of environment friendly farming practices, supportive regulatory policies, and increasing demand for food with high nutritional value and less chemical components in the food. However, low awareness among farmer pertaining to biofertilizers and high labour costs is likely to restraint the market.

Agricultural microbial refers to the microorganisms used in agriculture to enhance crop productivity and quality of yield. Microbial inoculants used in agriculture have target specific functions, and thus are suitable for use in various crops. Agricultural microorganisms such as bacteria, viruses, and fungi enhance plant growth and protection and improve soil conditions. Agricultural microbes help in decomposing organic matter, provide nutrients such as phosphorous or nitrogen. They also offer various other benefits such as drought tolerance, insect resistance, and resistance to several plant disorders.

By microbial type, the bacterial segment is projected to be a significant-growing segment during the forecast period. Bacteria are the prevalent class of microorganisms used in various industrial and agricultural applications. There are around 1,408,525 strains of bacteria successfully registered, and they are the largest class of microorganism strains that have been registered and used for various industrial purposes. Bacterial strains have been most successfully isolated and used for

cultivation purposes compared to all the other microorganisms, and form 43.5% of all the microorganisms' strains registered globally. The application of bacteria in agriculture has increased in terms of biofertilizers and biopesticides, as these sustainably provide higher and healthy yields. Their benefits in achieving a holistic plant growth in cultivation increase their usage in the market.

On the basis of geography, North America region is expected to have considerable market growth during the forecast period, due to the requirement for high-crop productivity and production with high-quality, evolving agricultural practices and precision farming has been driving the market growth for agriculture microbial products over the years in North America. The region is promoting the use of microbial products, in order to balance the agricultural sector growth, which is mostly opted by chemical fertilizer and pesticide required in order to sustain its large-scale productions. In North America, the United States holds the largest market with more than half of the market. The rise in organic and environment-friendly farming practices has increased the demand for agricultural microbial products, especially in the US. The country with its highly evolved agricultural sector has been adapting to the natural and organic way of farming with the increasing awareness regarding balanced plant nutrition.

Some of the key players in Agricultural Microbials Market include Certis USA LLC, Marrone Bio Innovations Inc, Monsanto Company, Isagro S.p.A, BASF SE, CHR. Hansen Holdings, Syngenta AG, Valent Biosciences LLC, Bayer Cropscience AG, UPL Corporation, Novozymes, Sumitomo Chemicals Company Ltd., Verdesian Life Sciences LLC, Agrilife Biosolutions Ltd., Wilbur-Ellis Holdings Inc., and Bioworks, Inc.

Crop Types Covered:

Oilseeds & Pulses

Cereals & Grains

Fruits & Vegetables

Commercial Crops

Other Crop Types

Formulations Covered:

Liquid

Dry

Types Covered:

Complex

Straight

Microbial Types Covered:

Viruses

Bacterial

Composite Microbials

Protozoa

Fungi

Functions Covered:

Crop Protection

Soil Amendments

Origins Covered:

Synthetic

Organic

Sales Channels Covered:

Distribution Channel

Direct Channel

Applications Covered:

Soil Treatment

Foliar Spray

Seed Treatment

Broadcasting

Post-Harvest

Fertigation

Sowing

Spraying

Drip Method

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

France

Italy

UK

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

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Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis, etc.

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Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 Emerging Markets
- 3.8 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL AGRICULTURAL MICROBIALS MARKET, BY CROP TYPE

- 5.1 Introduction
- 5.2 Oilseeds & Pulses
- 5.3 Cereals & Grains
- 5.4 Fruits & Vegetables
- 5.5 Commercial Crops
- 5.6 Other Crop Types
 - 5.6.1 Ornamentals
 - 5.6.2 Turfs
 - 5.6.3 Forages
 - 5.6.4 Plantation Crops
 - 5.6.5 Sugar Crops

6 GLOBAL AGRICULTURAL MICROBIALS MARKET, BY FORMULATION

- 6.1 Introduction
- 6.2 Liquid
 - 6.2.1 Suspension Concentrates
 - 6.2.2 Emulsifiable Concentrates
 - 6.2.3 Soluble Liquid Concentrates
- 6.3 Dry
 - 6.3.1 Water-Dispersible Granules
 - 6.3.2 Dry Granules
 - 6.3.3 Wettable Powders

7 GLOBAL AGRICULTURAL MICROBIALS MARKET, BY TYPE

- 7.1 Introduction
- 7.2 Complex
- 7.3 Straight

8 GLOBAL AGRICULTURAL MICROBIALS MARKET, BY MICROBIAL TYPE

- 8.1 Introduction
- 8.2 Viruses
- 8.3 Bacterial
 - 8.3.1 Rhizobium Spp
 - 8.3.2 Pasteuria
 - 8.3.3 Bacillus Spp

- 8.3.4 Enterobacteriaceae
- 8.3.5 Streptomyces
- 8.3.6 Bacillus Thuringiensis
- 8.3.7 Bacillus Subtilis
- 8.4 Composite Microbials
- 8.5 Protozoa
- 8.6 Fungi
 - 8.6.1 Mycorrhizal Fungi
 - 8.6.2 Trichoderma Spp
 - 8.6.3 Other Fungi
 - 8.6.3.1 Aspergillus
 - 8.6.3.2 Penicillium
 - 8.6.3.3 Lecanicillium

9 GLOBAL AGRICULTURAL MICROBIALS MARKET, BY FUNCTION

- 9.1 Introduction
- 9.2 Crop Protection
 - 9.2.1 Biofungicides
 - 9.2.2 Bionematicides
 - 9.2.3 Bioacaricides
 - 9.2.4 Bioinsecticides
 - 9.2.5 Bioherbicides
 - 9.2.6 Biomolluscicides
 - 9.2.7 Biorodenticides
- 9.3 Soil Amendments
 - 9.3.1 Biostimulants
 - 9.3.2 Biofertilizers

10 GLOBAL AGRICULTURAL MICROBIALS MARKET, BY ORIGIN

- 10.1 Introduction
- 10.2 Synthetic
- 10.3 Organic

11 GLOBAL AGRICULTURAL MICROBIALS MARKET, BY SALES CHANNEL

- 11.1 Introduction
- 11.2 Distribution Channel

11.3 Direct Channel

12 GLOBAL AGRICULTURAL MICROBIALS MARKET, BY APPLICATION

- 12.1 Introduction
- 12.2 Soil Treatment
- 12.3 Foliar Spray
- 12.4 Seed Treatment
- 12.5 Broadcasting
- 12.6 Post-Harvest
- 12.7 Fertigation
- 12.8 Sowing
- 12.9 Spraying
- 12.10 Drip Method

13 GLOBAL AGRICULTURAL MICROBIALS MARKET, BY GEOGRAPHY

- 13.1 Introduction
- 13.2 North America
 - 13.2.1 US
 - 13.2.2 Canada
 - 13.2.3 Mexico
- 13.3 Europe
 - 13.3.1 Germany
 - 13.3.2 UK
 - 13.3.3 Italy
 - 13.3.4 France
 - 13.3.5 Spain
 - 13.3.6 Rest of Europe
- 13.4 Asia Pacific
 - 13.4.1 Japan
 - 13.4.2 China
 - 13.4.3 India
 - 13.4.4 Australia
 - 13.4.5 New Zealand
 - 13.4.6 South Korea
 - 13.4.7 Rest of Asia Pacific
- 13.5 South America
 - 13.5.1 Argentina

- 13.5.2 Brazil
- 13.5.3 Chile
- 13.5.4 Rest of South America
- 13.6 Middle East & Africa
 - 13.6.1 Saudi Arabia
 - 13.6.2 UAE
 - 13.6.3 Qatar
 - 13.6.4 South Africa
 - 13.6.5 Rest of Middle East & Africa

14 KEY DEVELOPMENTS

- 14.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 14.2 Acquisitions & Mergers
- 14.3 New Product Launch
- 14.4 Expansions
- 14.5 Other Key Strategies

15 COMPANY PROFILING

- 15.1 Certis USA LLC
- 15.2 Marrone Bio Innovations Inc
- 15.3 Monsanto Company
- 15.4 Isagro S.p.A
- 15.5 BASF SE
- 15.6 CHR. Hansen Holdings
- 15.7 Syngenta AG
- 15.8 Valent Biosciences LLC
- 15.9 Bayer Cropscience AG
- 15.10 UPL Corporation
- 15.11 Novozymes
- 15.12 Sumitomo Chemicals Company Ltd.
- 15.13 Verdesian Life Sciences LLC
- 15.14 Agrilife Biosolutions Ltd.
- 15.15 Wilbur-Ellis Holdings Inc.
- 15.16 Bioworks, Inc.

List Of Tables

LIST OF TABLES

Table 1 Global Agricultural Microbials Market Outlook, By Region (2019-2028) (\$MN)

Table 2 Global Agricultural Microbials Market Outlook, By Crop Type (2019-2028) (\$MN)

Table 3 Global Agricultural Microbials Market Outlook, By Oilseeds & Pulses (2019-2028) (\$MN)

Table 4 Global Agricultural Microbials Market Outlook, By Cereals & Grains (2019-2028) (\$MN)

Table 5 Global Agricultural Microbials Market Outlook, By Fruits & Vegetables (2019-2028) (\$MN)

Table 6 Global Agricultural Microbials Market Outlook, By Commercial Crops (2019-2028) (\$MN)

Table 7 Global Agricultural Microbials Market Outlook, By Other Crop Types (2019-2028) (\$MN)

Table 8 Global Agricultural Microbials Market Outlook, By Ornamentals (2019-2028) (\$MN)

Table 9 Global Agricultural Microbials Market Outlook, By Turfs (2019-2028) (\$MN)

Table 10 Global Agricultural Microbials Market Outlook, By Forages (2019-2028) (\$MN)

Table 11 Global Agricultural Microbials Market Outlook, By Plantation Crops (2019-2028) (\$MN)

Table 12 Global Agricultural Microbials Market Outlook, By Sugar Crops (2019-2028) (\$MN)

Table 13 Global Agricultural Microbials Market Outlook, By Formulation (2019-2028) (\$MN)

Table 14 Global Agricultural Microbials Market Outlook, By Liquid (2019-2028) (\$MN)

Table 15 Global Agricultural Microbials Market Outlook, By Suspension Concentrates (2019-2028) (\$MN)

Table 16 Global Agricultural Microbials Market Outlook, By Emulsifiable Concentrates (2019-2028) (\$MN)

Table 17 Global Agricultural Microbials Market Outlook, By Soluble Liquid Concentrates (2019-2028) (\$MN)

Table 18 Global Agricultural Microbials Market Outlook, By Dry (2019-2028) (\$MN)

Table 19 Global Agricultural Microbials Market Outlook, By Water-Dispersible Granules (2019-2028) (\$MN)

Table 20 Global Agricultural Microbials Market Outlook, By Dry Granules (2019-2028) (\$MN)

Table 21 Global Agricultural Microbials Market Outlook, By Wettable Powders (2019-2028) (\$MN)

Table 22 Global Agricultural Microbials Market Outlook, By Type (2019-2028) (\$MN)

Table 23 Global Agricultural Microbials Market Outlook, By Complex (2019-2028) (\$MN)

Table 24 Global Agricultural Microbials Market Outlook, By Straight (2019-2028) (\$MN)

Table 25 Global Agricultural Microbials Market Outlook, By Microbial Type (2019-2028) (\$MN)

Table 26 Global Agricultural Microbials Market Outlook, By Viruses (2019-2028) (\$MN)

Table 27 Global Agricultural Microbials Market Outlook, By Bacterial (2019-2028) (\$MN)

Table 28 Global Agricultural Microbials Market Outlook, By Rhizobium Spp (2019-2028) (\$MN)

Table 29 Global Agricultural Microbials Market Outlook, By Pasteuria (2019-2028) (\$MN)

Table 30 Global Agricultural Microbials Market Outlook, By Bacillus Spp (2019-2028) (\$MN)

Table 31 Global Agricultural Microbials Market Outlook, By Enterobacteriaceae (2019-2028) (\$MN)

Table 32 Global Agricultural Microbials Market Outlook, By Streptomyces (2019-2028) (\$MN)

Table 33 Global Agricultural Microbials Market Outlook, By Bacillus Thuringiensis (2019-2028) (\$MN)

Table 34 Global Agricultural Microbials Market Outlook, By Bacillus Subtilis (2019-2028) (\$MN)

Table 35 Global Agricultural Microbials Market Outlook, By Composite Microbials (2019-2028) (\$MN)

Table 36 Global Agricultural Microbials Market Outlook, By Protozoa (2019-2028) (\$MN)

Table 37 Global Agricultural Microbials Market Outlook, By Fungi (2019-2028) (\$MN)

Table 38 Global Agricultural Microbials Market Outlook, By Mycorrhizal Fungi (2019-2028) (\$MN)

Table 39 Global Agricultural Microbials Market Outlook, By Trichoderma Spp (2019-2028) (\$MN)

Table 40 Global Agricultural Microbials Market Outlook, By Other Fungi (2019-2028) (\$MN)

Table 41 Global Agricultural Microbials Market Outlook, By Function (2019-2028) (\$MN)

Table 42 Global Agricultural Microbials Market Outlook, By Crop Protection (2019-2028) (\$MN)

Table 43 Global Agricultural Microbials Market Outlook, By Biofungicides (2019-2028) (\$MN)

Table 44 Global Agricultural Microbials Market Outlook, By Bionematicides (2019-2028)

(\$MN)

Table 45 Global Agricultural Microbials Market Outlook, By Bioacaricides (2019-2028)

(\$MN)

Table 46 Global Agricultural Microbials Market Outlook, By Bioinsecticides (2019-2028)

(\$MN)

Table 47 Global Agricultural Microbials Market Outlook, By Bioherbicides (2019-2028)

(\$MN)

Table 48 Global Agricultural Microbials Market Outlook, By Biomolluscicides

(2019-2028) (\$MN)

Table 49 Global Agricultural Microbials Market Outlook, By Biorodenticides (2019-2028)

(\$MN)

Table 50 Global Agricultural Microbials Market Outlook, By Soil Amendments

(2019-2028) (\$MN)

Table 51 Global Agricultural Microbials Market Outlook, By Biostimulants (2019-2028)

(\$MN)

Table 52 Global Agricultural Microbials Market Outlook, By Biofertilizers (2019-2028)

(\$MN)

Table 53 Global Agricultural Microbials Market Outlook, By Origin (2019-2028) (\$MN)

Table 54 Global Agricultural Microbials Market Outlook, By Synthetic (2019-2028)

(\$MN)

Table 55 Global Agricultural Microbials Market Outlook, By Organic (2019-2028) (\$MN)

Table 56 Global Agricultural Microbials Market Outlook, By Sales Channel (2019-2028)

(\$MN)

Table 57 Global Agricultural Microbials Market Outlook, By Distribution Channel

(2019-2028) (\$MN)

Table 58 Global Agricultural Microbials Market Outlook, By Direct Channel (2019-2028)

(\$MN)

Table 59 Global Agricultural Microbials Market Outlook, By Application (2019-2028)

(\$MN)

Table 60 Global Agricultural Microbials Market Outlook, By Soil Treatment (2019-2028)

(\$MN)

Table 61 Global Agricultural Microbials Market Outlook, By Foliar Spray (2019-2028)

(\$MN)

Table 62 Global Agricultural Microbials Market Outlook, By Seed Treatment

(2019-2028) (\$MN)

Table 63 Global Agricultural Microbials Market Outlook, By Broadcasting (2019-2028)

(\$MN)

Table 64 Global Agricultural Microbials Market Outlook, By Post-Harvest (2019-2028)

(\$MN)

Table 65 Global Agricultural Microbials Market Outlook, By Fertigation (2019-2028) (\$MN)

Table 66 Global Agricultural Microbials Market Outlook, By Sowing (2019-2028) (\$MN)

Table 67 Global Agricultural Microbials Market Outlook, By Spraying (2019-2028) (\$MN)

Table 68 Global Agricultural Microbials Market Outlook, By Drip Method (2019-2028) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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