

Plant Growth Regulators Market by Type (Cytokinins, Auxins, Gibberellins, Ethylene, Absciscic Acid), Formulation (Wettable Powders, Solutions), Function (Promoters, Inhibitors), Crop Type (Cereals & Grains, Fruits & Vegetables) - Global Forecast to 2031

<https://marketpublishers.com/r/P7ACF6D373F2EN.html>

Date: March 2024

Pages: 255

Price: US\$ 4,175.00 (Single User License)

ID: P7ACF6D373F2EN

Abstracts

Plant Growth Regulators Market by Type (Cytokinins, Auxins, Gibberellins, Ethylene, Absciscic Acid), Formulation (Wettable Powders, Solutions), Function (Promoters, Inhibitors), Crop Type (Cereals & Grains, Fruits & Vegetables)—Global Forecast to 2031

According to the research report titled 'Plant Growth Regulators Market by Type (Cytokinins, Auxins, Gibberellins, Ethylene, Absciscic Acid), Formulation (Wettable Powders, Solutions), Function (Promoters, Inhibitors), Crop Type (Cereals & Grains, Fruits & Vegetables)—Global Forecast to 2031,' in terms of value, the plant growth regulators market is expected to reach \$5.41 billion by 2031, at a CAGR of 9.0% from 2024 to 2031, while in terms of volume, the market is expected to reach 126,145.1 tons by 2031, at a CAGR of 6.6% from 2024 to 2031. The report provides an in-depth analysis of the plant growth regulators market across five major geographies, current market trends, size, and recent developments, and the forecast for 2031.

After extensive secondary and primary research and an in-depth analysis of the market scenario, the report offers an impact analysis of the key industry drivers, restraints, opportunities, and challenges.

The growth of the plant growth regulators market is driven by the increasing need for sustainable agricultural practices, growth in organic farming & the rising demand for organic food, increased investments from leading market players, and the rising demand for high-value crops. However, the regulatory and financial hurdles for new

market entrants and farmers' limited awareness about plant growth regulators are restraining the growth of this market.

Moreover, emerging countries with agricultural diversity and extensive arable lands are expected to offer growth opportunities for the players operating in this market. On the other hand, lengthy product registration and approval procedures are a major challenge impacting market growth.

Key Players

The key players operating in the global plant growth regulators market are BASF SE (Germany), Corteva, Inc. (U.S.), Syngenta AG (A Part of China National Chemical Corporation/ChemChina) (Switzerland), FMC Corporation (U.S.), Nufarm Limited (Australia), Bayer AG (Germany), UPL Limited (India), Sumitomo Chemical Co., Ltd. (Japan), Tata Chemicals Ltd. (India), Nippon Soda Co., Ltd. (Japan), Barclay Chemicals Manufacturing Limited (Ireland), Fine Americas Inc. (U.S.), Hangzhou Tianlong Biotechnology Co., Ltd. (China), Sichuan Guoguang Agrochemical Co., Ltd. (China), and Sikko Industries Limited (India).

Based on type, the plant growth regulators market is segmented into cytokinins, auxins, gibberellins, ethylene, abscisic acid, and other types. The cytokinins segment is expected to account for the largest share of the plant growth regulators market in 2024. The segment's large share is mainly attributed to the numerous advantages offered by cytokinins in enhancing and controlling various aspects of plant development and growth, including shoot and root growth, cell division, senescence, apical dominance, biotic stress response, differentiation, and fruit and seed development. The extensive application of cytokinins in mature plants to support growth and aid in the recovery of wounded plant parts contributes to its increased demand.

However, the gibberellins segment is projected to witness the highest growth rate during the forecast period of 2024–2031. This growth is driven by the increasing demand for high-quality crops and the need for improved agricultural practices. Furthermore, farmers' increasing preference for the usage of gibberellins, due to their potential to promote plant development under uncontrollable and unprecedented atmospheric conditions, is expected to boost the gibberellins market growth significantly in the next few years.

Based on formulation, the plant growth regulators market is segmented into water-dispersible & water-soluble granules, solutions, and wettable powders. The water-

dispersible & water-soluble granules segment is expected to account for the largest share of the plant growth regulators market in 2024. The segment's large share is mainly attributed to the numerous advantages offered by water-dispersible & water-soluble granules, including ease of handling and mixing, rapid dissolution, minimal dust generation, improved stability, and longer shelf life when compared to certain liquid alternatives.

Based on function, the plant growth regulators market is segmented into plant growth promoters and plant growth inhibitors. The plant growth promoters segment is expected to account for the larger share of the plant growth regulators market in 2024. The segment's large share is mainly attributed to the rising concerns about soil erosion and the growing practice of organic farming across the globe. Plant growth promoters enhance various aspects of plant growth, including cell division, cell enlargement, flowering, nutrient uptake improvement, and seed formation, all of which contribute to improved crop quality and productivity.

Based on crop type, the plant growth regulators market is segmented into cereals & grains, fruits & vegetables, oilseeds & pulses, turf & ornamentals, and other crops. The cereals & grains segment is expected to account for the largest share of the plant growth regulators market in 2024. The segment's large share is mainly attributed to the growing need to increase cereal & grain production, the need to minimize the risk of lodging in cereals & grains, and the rising production of cereals in Asian countries like India and China. These countries have witnessed significant advancements in crop production practices and have access to high-yield cereal varieties. Furthermore, governments worldwide actively support cereals & grains production due to the critical role these crops play in ensuring food security. Government policies and subsidies often promote the use of modern agricultural practices, including the application of plant growth regulators.

However, the fruits & vegetables segment is projected to witness the highest growth rate during the forecast period of 2024–2031. This growth is driven by the increase in fruit and vegetable production globally, the rising demand for chemical-free organic fruits and vegetables, and the increasing application of plant growth regulators in fruit and vegetable crops. Furthermore, plant growth regulators are used in the cultivation of fruits and vegetables to regulate ripening and extend post-harvest shelf life. They extend harvesting periods by delaying the natural ripening process, allowing for more productive harvesting cycles.

Based on geography, in 2024, Europe is expected to account for the largest share of

the plant growth regulators market. The large share of this region is attributed to the region's rising population, decreasing arable land, rising need for enhanced crop productivity, advances in farming practices and technology, and increasing government initiatives to boost organic farming.

Key Questions Answered in the Report:

Which are the high-growth market segments in terms of type, formulation, function, crop type, and geography?

What is the historical market size for plant growth regulators across the globe?

What are the market forecasts and estimates for the period 2024–2031?

What are the major drivers, restraints, opportunities, and challenges in the plant growth regulators market?

Who are the major players in the market, and what are their market shares?

Who are the major players in various countries, and what are their market shares?

What is the competitive landscape like in the plant growth regulators market?

What are the different strategies adopted by the major players in the plant growth regulators market?

What are the key geographic trends, and which are the high-growth countries?

Who are the local emerging players in the plant growth regulators market, and how do they compete with other players?

Scope of the Report:

Plant Growth Regulators Market Assessment—by Type

Cytokinins

Auxins

Gibberellins

Ethylene

Absciscic Acid

Other Types

Plant Growth Regulators Market Assessment—by Formulation

Water-dispersible & Water-soluble Granules

Solutions

Wettable Powders

Plant Growth Regulators Market Assessment—by Function

Plant Growth Promoters

Plant Growth Inhibitors

Plant Growth Regulators Market Assessment—by Crop Type

Cereals & Grains

Maize/Corn

Wheat

Rice

Other Cereals & Grains

Fruits & Vegetables

Oilseeds & Pulses

Turf & Ornamentals

Other Crops

Plant Growth Regulators Market Assessment—by Geography

Europe

France

Germany

U.K.

Italy

Spain

Rest of Europe (RoE)

Asia-Pacific

China

India

Japan

Australia

Rest of Asia-Pacific (RoAPAC)

North America

U.S.

Canada

Latin America

Brazil

Argentina

Mexico

Rest of Latin America (RoLATAM)

Middle East & Africa

Contents

1. MARKET DEFINITION & SCOPE

- 1.1. Market Definition
- 1.2. Market Ecosystem
- 1.3. Currency
- 1.4. Key Stakeholders

2. RESEARCH METHODOLOGY

- 2.1. Research Approach
- 2.2. Process of Data Collection and Validation
 - 2.2.1. Secondary Research
 - 2.2.2. Primary Research/Interviews with Key Opinion Leaders of the Industry
- 2.3. Market Sizing and Forecast
 - 2.3.1. Market Size Estimation Approach
 - 2.3.2. Growth Forecast Approach
- 2.4. Assumptions for the Study

3. EXECUTIVE SUMMARY

- 3.1. Introduction
- 3.2. Segmental Analysis
 - 3.2.1. Global Plant Growth Regulators Market Analysis: by Type
 - 3.2.2. Global Plant Growth Regulators Market Analysis: by Formulation
 - 3.2.3. Global Plant Growth Regulators Market Analysis: by Function
 - 3.2.4. Global Plant Growth Regulators Market Analysis: by Crop Type
- 3.3. Regional Analysis
- 3.4. Key Players

4. MARKET INSIGHTS

- 4.1. Overview
- 4.2. Factors Affecting Market Growth
 - 4.2.1. Increasing Need for Sustainable Agricultural Practices Driving the Plant Growth Regulators Market
 - 4.2.2. Growth in Organic Farming & the Rising Demand for Organic Food Boosting the Adoption of Plant Growth Regulators

- 4.2.3. Increased Investments from Leading Market Players Supporting Market Growth
- 4.2.4. Rising Demand for High-Value Crops Increasing the Utilization of Plant Growth Regulators
- 4.2.5. Regulatory and Financial Hurdles for New Market Entrants Restraining Market Growth
- 4.2.6. Farmers' Lack of Awareness Limiting the Adoption of Plant Growth Regulators
- 4.2.7. Emerging Countries with Agricultural Diversity and Extensive Arable Lands Generating Growth Opportunities for Market Players
- 4.2.8. Lengthy Product Registration and Approval Procedures Expected to Remain a Major Challenge for Market Stakeholders
- 4.3. Regulatory Landscape
 - 4.3.1. Overview
 - 4.3.2. North America
 - 4.3.2.1. U.S.
 - 4.3.2.2. Canada
 - 4.3.3. European Union
 - 4.3.4. Asia-Pacific
 - 4.3.4.1. China
 - 4.3.4.2. Japan
 - 4.3.4.3. India
 - 4.3.4.4. Australia
 - 4.3.5. Latin America
 - 4.3.5.1. Brazil
 - 4.3.5.2. Mexico
 - 4.3.5.3. Argentina
 - 4.3.6. Middle East & Africa
- 4.4. Value Chain Analysis
 - 4.4.1. Overview
 - 4.4.2. Inputs/Suppliers
 - 4.4.3. Active Ingredient/Technical Manufacturers
 - 4.4.4. Formulators
 - 4.4.5. Distributors/Traders
 - 4.4.6. End Users
- 4.5. Porter's Five Forces Analysis
 - 4.5.1. Bargaining Power of Suppliers
 - 4.5.2. Bargaining Power of Buyers
 - 4.5.3. Threat of Substitutes
 - 4.5.4. Threat of New Entrants
 - 4.5.5. Degree of Competition

4.6. Pricing Analysis

- 4.6.1. Overview
- 4.6.2. Cytokinins
- 4.6.3. Auxins
- 4.6.4. Gibberellins
- 4.6.5. Ethylene
- 4.6.6. Absciscic Acid
- 4.6.7. Other Types

5. PLANT GROWTH REGULATORS MARKET ASSESSMENT, BY TYPE

- 5.1. Overview
- 5.2. Cytokinins
- 5.3. Auxins
- 5.4. Gibberellins
- 5.5. Ethylene
- 5.6. Absciscic Acid
- 5.7. Other Types

6. PLANT GROWTH REGULATORS MARKET ASSESSMENT, BY FORMULATION

- 6.1. Overview
- 6.2. Water-dispersible & Water-soluble Granules
- 6.3. Solutions
- 6.4. Wettable Powders

7. PLANT GROWTH REGULATORS MARKET ASSESSMENT, BY FUNCTION

- 7.1. Overview
- 7.2. Plant Growth Promoters
- 7.3. Plant Growth Inhibitors

8. PLANT GROWTH REGULATORS MARKET ASSESSMENT, BY CROP TYPE

- 8.1. Overview
- 8.2. Cereals & Grains
 - 8.2.1. Maize/Corn
 - 8.2.2. Wheat
 - 8.2.3. Rice

- 8.2.4. Other Cereals & Grains
- 8.3. Fruits & Vegetables
- 8.4. Oilseeds & Pulses
- 8.5. Turf & Ornamentals
- 8.6. Other Crops

9. PLANT GROWTH REGULATORS MARKET ASSESSMENT, BY GEOGRAPHY

- 9.1. Overview
- 9.2. Europe
 - 9.2.1. France
 - 9.2.2. Germany
 - 9.2.3. U.K.
 - 9.2.4. Italy
 - 9.2.5. Spain
 - 9.2.6. Rest of Europe (RoE)
- 9.3. Asia-Pacific
 - 9.3.1. China
 - 9.3.2. India
 - 9.3.3. Japan
 - 9.3.4. Australia
 - 9.3.5. Rest of Asia-Pacific (RoAPAC)
- 9.4. North America
 - 9.4.1. U.S.
 - 9.4.2. Canada
- 9.5. Latin America
 - 9.5.1. Brazil
 - 9.5.2. Argentina
 - 9.5.3. Mexico
 - 9.5.4. Rest of Latin America (RoLATAM)
- 9.6. Middle East & Africa

10. COMPETITION ANALYSIS

- 10.1. Overview
- 10.2. Key Growth Strategies
- 10.3. Competitive Benchmarking
- 10.4. Competitive Dashboard
 - 10.4.1. Industry Leaders

- 10.4.2. Market Differentiators
- 10.4.3. Vanguard
- 10.4.4. Emerging Companies
- 10.5. Market Share Analysis

11. COMPANY PROFILES (BUSINESS OVERVIEW, FINANCIAL OVERVIEW, SWOT ANALYSIS OF TOP 8 COMPANIES, PRODUCT PORTFOLIO, AND STRATEGIC DEVELOPMENTS)

- 11.1. BASF SE
- 11.2. Bayer AG
- 11.3. Corteva, Inc.
- 11.4. FMC Corporation
- 11.5. Nufarm Limited
- 11.6. Syngenta AG (A Part of China National Chemical Corporation/ChemChina)
- 11.7. UPL Limited
- 11.8. Sumitomo Chemical Co., Ltd.
- 11.9. Tata Chemicals Ltd.
- 11.10. Nippon Soda Co., Ltd.
- 11.11. Barclay Chemicals Manufacturing Limited
- 11.12. Fine Americas, Inc.
- 11.13. Hangzhou Tianlong Biotechnology Co., Ltd.
- 11.14. Sichuan Guoguang Agrochemical Co., Ltd.
- 11.15. Sikko Industries Limited

12. APPENDIX

- 12.1. Available Customization
- 12.2. Related Reports
 - Table 1 Average Selling Prices of Cytokinins, by Country/Region, 2022–2031 (USD/Ton)
 - Table 2 Average Selling Prices of Auxins, by Country/Region, 2022–2031 (USD/Ton)
 - Table 3 Average Selling Prices of Gibberellins, by Country/Region, 2022–2031 (USD/Ton)
 - Table 4 Average Selling Prices of Ethylene, by Country/Region, 2022–2031 (USD/Ton)
 - Table 5 Average Selling Prices of Absciscic Acid, by Country/Region, 2022–2031 (USD/Ton)
 - Table 6 Average Selling Prices of Other Types, by Country/Region, 2022–2031 (USD/Ton)

Table 7 Global Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 8 Global Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 9 Global Cytokinins Market, by Country/Region, 2022–2031 (USD Million)

Table 10 Global Cytokinins Market, by Country/Region, 2022–2031 (Tons)

Table 11 Global Auxins Market, by Country/Region, 2022–2031 (USD Million)

Table 12 Global Auxins Market, by Country/Region, 2022–2031 (Tons)

Table 13 Global Gibberellins Market, by Country/Region, 2022–2031 (USD Million)

Table 14 Global Gibberellins Market, by Country/Region, 2022–2031 (Tons)

Table 15 Global Ethylene Market, by Country/Region, 2022–2031 (USD Million)

Table 16 Global Ethylene Market, by Country/Region, 2022–2031 (Tons)

Table 17 Global Absciscic Acid Market, by Country/Region, 2022–2031 (USD Million)

Table 18 Global Absciscic Acid Market, by Country/Region, 2022–2031 (Tons)

Table 19 Global Other Plant Growth Regulators Market, by Country/Region, 2022–2031 (USD Million)

Table 20 Global Other Plant Growth Regulators Market, by Country/Region, 2022–2031 (Tons)

Table 21 Global Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 22 Global Plant Growth Regulators Water-dispersible & Water-soluble Granules Formulation Market, by Country/Region, 2022–2031 (USD Million)

Table 23 Global Plant Growth Regulators Solutions Formulation Market, by Country/Region, 2022–2031 (USD Million)

Table 24 Global Plant Growth Regulators Wettable Powder Formulation Market, by Country/Region, 2022–2031 (USD Million)

Table 25 Global Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 26 Global Plant Growth Promoters Market, by Country/Region, 2022–2031 (USD Million)

Table 27 Global Plant Growth Inhibitors Market, by Country/Region, 2022–2031 (USD Million)

Table 28 Global Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 29 Global Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 30 Global Plant Growth Regulators Market for Cereals & Grains, by Country/Region, 2022–2031 (USD Million)

Table 31 Global Plant Growth Regulators Market for Maize/Corn, by Country/Region, 2022–2031 (USD Million)

Table 32 Global Plant Growth Regulators Market for Wheat, by Country/Region, 2022–2031 (USD Million)

Table 33 Global Plant Growth Regulators Market for Rice, by Country/Region, 2022–2031 (USD Million)

Table 34 Global Plant Growth Regulators Market for Other Cereals & Grains, by Country/Region, 2022–2031 (USD Million)

Table 35 Global Plant Growth Regulators Market for Fruits & Vegetables, by Country/Region, 2022–2031 (USD Million)

Table 36 Global Plant Growth Regulators Market for Oilseeds & Pulses, by Country/Region, 2022–2031 (USD Million)

Table 37 Global Plant Growth Regulators Market for Turf & Ornamentals, by Country/Region, 2022–2031 (USD Million)

Table 38 Global Plant Growth Regulators Market for Other Crops, by Country/Region, 2022–2031 (USD Million)

Table 39 Global Plant Growth Regulators Market, by Region, 2022–2031 (USD Million)

Table 40 Global Plant Growth Regulators Market, by Region, 2022–2031 (Tons)

Table 41 Europe: Plant Growth Regulators Market, by Country/Region, 2022–2031 (USD Million)

Table 42 Europe: Plant Growth Regulators Market, by Country/Region, 2022–2031 (Tons)

Table 43 Europe: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 44 Europe: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 45 Europe: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 46 Europe: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 47 Europe: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 48 Europe: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 49 France: Area Under Organic Cultivation, by Crop Type, 2021 (Hectares)

Table 50 France: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 51 France: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 52 France: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 53 France: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 54 France: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 55 France: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 56 Germany: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 57 Germany: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 58 Germany: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 59 Germany: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 60 Germany: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 61 Germany: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 62 Plant Growth Regulators Authorized for Use in the U.K.

Table 63 U.K.: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 64 U.K.: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 65 U.K.: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 66 U.K.: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 67 U.K.: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 68 U.K.: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 69 Italy: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 70 Italy: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 71 Italy: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 72 Italy: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 73 Italy: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 74 Italy: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 75 Spain: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 76 Spain: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 77 Spain: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 78 Spain: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 79 Spain: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 80 Spain: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 81 Rest of Europe: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Million)

Table 82 Rest of Europe: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 83 Rest of Europe: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 84 Rest of Europe: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 85 Rest of Europe: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 86 Rest of Europe: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 87 Asia-Pacific: Plant Growth Regulators Market, by Country/Region, 2022–2031 (USD Million)

Table 88 Asia-Pacific: Plant Growth Regulators Market, by Country/Region, 2022–2031 (Tons)

Table 89 Asia-Pacific: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 90 Asia-Pacific: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 91 Asia-Pacific: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 92 Asia-Pacific: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 93 Asia-Pacific: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 94 Asia-Pacific: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 95 China: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 96 China: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 97 China: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 98 China: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 99 China: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 100 China: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 101 India: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 102 India: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 103 India: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 104 India: Plant Growth Regulators Market, by Function, 2022–2031 (USD

Million)

Table 105 India: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 106 India: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 107 Japan: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 108 Japan: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 109 Japan: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 110 Japan: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 111 Japan: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 112 Japan: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 113 Australia: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 114 Australia: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 115 Australia: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 116 Australia: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 117 Australia: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 118 Australia: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 119 Rest of Asia-Pacific: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 120 Rest of Asia-Pacific: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 121 Rest of Asia-Pacific: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 122 Rest of Asia-Pacific: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 123 Rest of Asia-Pacific: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 124 Rest of Asia-Pacific: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 125 North America: Plant Growth Regulators Market, by Country, 2022–2031

(USD Million)

Table 126 North America: Plant Growth Regulators Market, by Country, 2022–2031

(Tons)

Table 127 North America: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 128 North America: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 129 North America: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 130 North America: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 131 North America: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 132 North America: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 133 U.S.: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 134 U.S.: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 135 U.S.: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 136 U.S.: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 137 U.S.: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 138 U.S.: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 139 Canada: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 140 Canada: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 141 Canada: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 142 Canada: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 143 Canada: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 144 Canada: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 145 Latin America: Plant Growth Regulators Market, by Country/Region, 2022–2031 (USD Million)

Table 146 Latin America: Plant Growth Regulators Market, by Country/Region, 2022–2031 (Tons)

Table 147 Latin America: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 148 Latin America: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 149 Latin America: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 150 Latin America: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 151 Latin America: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 152 Latin America: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 153 Brazil: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 154 Brazil: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 155 Brazil: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 156 Brazil: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 157 Brazil: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 158 Brazil: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 159 Argentina: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 160 Argentina: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 161 Argentina: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 162 Argentina: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 163 Argentina: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 164 Argentina: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 165 Mexico: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 166 Mexico: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 167 Mexico: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 168 Mexico: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 169 Mexico: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 170 Mexico: Plant Growth Regulators Market for Cereals & Grains, by Type,

2022–2031 (USD Million)

Table 171 Rest of Latin America: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 172 Rest of Latin America: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 173 Rest of Latin America: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 174 Rest of Latin America: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 175 Rest of Latin America: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 176 Rest of Latin America: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 177 Middle East & Africa: Plant Growth Regulators Market, by Type, 2022–2031 (USD Million)

Table 178 Middle East & Africa: Plant Growth Regulators Market, by Type, 2022–2031 (Tons)

Table 179 Middle East & Africa: Plant Growth Regulators Market, by Formulation, 2022–2031 (USD Million)

Table 180 Middle East & Africa: Plant Growth Regulators Market, by Function, 2022–2031 (USD Million)

Table 181 Middle East & Africa: Plant Growth Regulators Market, by Crop Type, 2022–2031 (USD Million)

Table 182 Middle East & Africa: Plant Growth Regulators Market for Cereals & Grains, by Type, 2022–2031 (USD Million)

Table 183 Recent Developments, by Company (2020–2023)

I would like to order

Product name: Plant Growth Regulators Market by Type (Cytokinins, Auxins, Gibberellins, Ethylene, Absciscic Acid), Formulation (Wettable Powders, Solutions), Function (Promoters, Inhibitors), Crop Type (Cereals & Grains, Fruits & Vegetables) - Global Forecast to 2031

Product link: <https://marketpublishers.com/r/P7ACF6D373F2EN.html>

Price: US\$ 4,175.00 (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/P7ACF6D373F2EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970