

Seeds Market Report by Type (Genetically Modified Seeds, Conventional Seeds), Seed Type (Oilseeds, Cereals and Grains, Fruits and Vegetables, Burpee and Park, and Others), Traits (Herbicide-Tolerant (HT), Insecticide-Resistant (IR), and Other Stacked Traits), Availability (Commercial Seeds, Saved Seeds), Seed Treatment (Treated, Untreated), and Region 2024-2032

<https://marketpublishers.com/r/S7E0482431DFEN.html>

Date: July 2024

Pages: 137

Price: US\$ 3,899.00 (Single User License)

ID: S7E0482431DFEN

Abstracts

The global seeds market size reached US\$ 45.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 52.5 Billion by 2032, exhibiting a growth rate (CAGR) of 1.6% during 2024-2032. The rising concerns about environmental degradation, soil health, and resource depletion, increasing adoption of vertical farming techniques, and the integration of advanced technologies in seed development are some of the major factors propelling the market.

Seeds are embryonic plant structures that encapsulate the potential for future growth and development. They are formed within the reproductive structures of flowering plants, known as angiosperms and non-flowering plants, known as gymnosperms. They possess the ability to germinate when provided with suitable conditions, including moisture, temperature, and oxygen. They contribute to the preservation of genetic diversity within plant species, ensuring adaptability to changing environments and challenges. They are used in agriculture to grow crops for food, fodder, and industrial purposes and in growing ornamental plants, flowers, and landscaping vegetation in gardens, parks, and urban areas.

The increasing popularity of urban farming and rooftop gardening is driving the demand for seeds suitable for small-scale cultivation in limited spaces. Additionally, the

increasing adoption of vertical farming techniques is contributing to the market growth. Vertical farming involves growing crops in controlled indoor environments and requires seeds that are optimized for these unique conditions. Apart from this, the global shift towards organic farming practices is catalyzing the demand for organic seeds. Furthermore, the growing concerns about plant diseases and pathogens are driving the demand for seeds with enhanced disease resistance. Moreover, the integration of smart agriculture technologies, such as sensors, drones, and data analytics, is creating a positive outlook for the market.

Seeds Market Trends/Drivers:

Technological advancements in seed development

Technological advancements are enabling the development of genetically modified (GM) seeds, hybrid varieties, and precision breeding techniques that enhance crop yield, quality, and resistance to pests and diseases. Additionally, the increasing use of GM seeds is resulting in improved productivity, reduced use of chemical inputs, and improved sustainability. Apart from this, farmers are increasingly relying on hybrid seeds to grow plants with superior traits, facilitate higher yields, and enhance crop uniformity. Furthermore, the rising trend of precision breeding and the growing utilization of cutting-edge techniques like CRISPR-Cas9 to precisely modify specific genes without introducing foreign DNA is offering a favorable market outlook.

Growing emphasis on sustainable agriculture

Rising concerns about environmental degradation, soil health, and resource depletion are encouraging farmers to adopt solutions that minimize negative impacts on the health of nature. This is resulting in the rising demand for seeds that support sustainable farming practices. Additionally, there is a shift towards agroecological approaches, such as organic farming and integrated pest management, which is driving the demand for seeds that are well-suited to these practices. Apart from this, increasing preferences for drought-resistant, heat-tolerant, and disease-resistant seed varieties to cope with climate change-related challenges are positively influencing the market. Moreover, various seed companies are investing in the development of environment friendly and socially responsible seed solutions, which is propelling the market growth.

Rising focus on functional and nutrient-rich crops

The rising focus of farmers on growing functional and nutrient-rich crops due to the rising awareness among individuals about nutrition and health is driving the demand for

crops that provide enhanced nutritional value and potential health benefits. Apart from this, various seed companies are developing seed varieties that yield crops with high levels of nutrients and functional compounds. Furthermore, the rising demand for functional crops from the pharmaceutical and nutraceutical industries is strengthening the growth of the market. This convergence of agriculture and health sectors is offering lucrative opportunities to seed companies to develop innovative varieties that cater to consumer preferences and industry needs.

Seeds Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global seeds market report, along with forecasts at the global, regional, and country levels for 2024-2032. Our report has categorized the market based on type, seed type, traits, availability and seed treatment.

Breakup by Type:

- Genetically Modified Seeds
- Conventional Seeds

Conventional seeds represent the largest market segment

The report has provided a detailed breakup and analysis of the market based on the type. This includes genetically modified seeds and conventional seeds. According to the report, conventional seeds represented the largest segment due to their established track record, accessibility, and compatibility with traditional farming practices.

Additionally, conventional seeds are readily available and familiar to farmers globally. Apart from this, its compatibility with conventional farming methods is another key factor driving the market. This compatibility minimizes the need for significant changes in cultivation methods, reducing the potential risks associated with transitioning to alternative seed types. Furthermore, the affordability of conventional seeds attracts farmers, especially those with limited resources or operating on smaller scales. Moreover, familiarity with these seeds enables farmers to optimize their cultivation techniques and troubleshoot potential challenges effectively.

Breakup by Seed Type:

- Oilseeds
- Soybean
- Sunflower

Cotton
Canola/Rapeseed
Cereals and Grains
Corn
Wheat
Rice
Sorghum
Fruits and Vegetables
Tomatoes
Lemons
Brassica
Pepper
Lettuce
Onion
Carrot
Burpee and Park
Others
Alfalfa
Clovers and Other Forage
Flower Seed
Turf Grasses

Cereals and grains dominate the market

A detailed breakup and analysis of the market based on the seed type has also been provided in the report. This includes oilseeds (soybean, sunflower, cotton, canola/rapeseed), cereals and grains (corn, wheat, rice, sorghum), fruits and vegetables (tomatoes, lemons, brassica, pepper, lettuce, onion, carrot), burpee and park, and others (alfalfa, clovers and other forage, flower seed, and turf grasses). According to the report, cereals and grains represent the largest market segment due to their multifaceted significance in global agriculture, dietary habits, and industrial applications. Additionally, they find application in diverse culinary traditions and industrial processes, which include breakfast cereals, bakery products, pasta, and brewing beverages. Apart from this, they offer adaptability to various agro-climatic conditions and are cultivated across different geographic regions for centuries. This adaptability reduces the risk associated with crop failure due to unfavorable conditions, attracting farmers seeking consistent yields and lower production risks. Furthermore, the increasing awareness about the health benefits associated with whole grains is contributing to the rising demand for cereals and grains.

Breakup by Traits:

- Herbicide-Tolerant (HT)
- Insecticide-Resistant (IR)
- Other Stacked Traits

A detailed breakup and analysis of the market based on the traits has also been provided in the report. This includes herbicide-tolerant (HT), insecticide-resistant (IR), and other stacked traits.

Herbicide-tolerant seeds are genetically modified to withstand specific herbicides, allowing for targeted weed control without harming the crops. This trait enhances weed management efficiency, reduces labor costs, and promotes sustainable practices by minimizing herbicide use.

Insecticide-resistant seeds are engineered to resist certain insect pests. This trait reduces the need for frequent insecticide applications, promoting eco-friendly farming and conserving beneficial insects while ensuring crop protection and yield stability.

Stacked trait seeds combine multiple beneficial traits, such as herbicide tolerance and insect resistance. These seeds provide comprehensive solutions to various challenges, maximizing crop yield, minimizing input costs, and streamlining management practices for farmers.

Breakup by Availability:

- Commercial Seeds
- Saved Seeds

The report has provided a detailed breakup and analysis of the market based on availability. This includes genetically commercial seeds and saved seeds.

Commercial seeds are produced through advanced techniques, resulting in seeds with specific traits, such as drought tolerance and nutritional enhancements. Their production process incorporates advanced breeding techniques and genetic modifications. These seeds are meticulously selected for desired traits, including yield, disease resistance, and adaptability. They offer consistent performance, ensuring predictable crop outcomes and improved productivity.

Saved seeds are traditionally harvested by farmers from their own crops and preserved for subsequent planting. This practice reflects local agricultural traditions and historical knowledge. Apart from this, saved seeds contribute to preserving traditional varieties and fostering local resilience, maintaining agro-biodiversity and cultural heritage.

Breakup by Seed Treatment:

Treated
Untreated

Treated holds the largest share in the market

A detailed breakup and analysis of the market based on the seed treatment has also been provided in the report. This includes treated and untreated. According to the report, treated accounted for the largest market share. Seed treatments encompass various techniques, including seed coating, priming, and application of protective chemicals. These treatments contribute to better germination rates, increased disease resistance, and improved plant vigor. Furthermore, treated seeds provide a proactive approach to managing challenges associated with pests and diseases. Apart from this, the ability of treated seeds to contribute to sustainable farming practices aligns with the growing demand for environmentally conscious agricultural solutions. Moreover, these seeds are engineered to integrate seamlessly with precision agriculture methods, which allows for more targeted planting and resource management. This compatibility enhances resource efficiency, minimizes waste, and contributes to overall sustainability.

Breakup by Region:

North America
United States
Canada
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others

Asia Pacific
China
Japan
India
South Korea
Australia
Singapore
Others
Latin America
Brazil
Mexico
Argentina
Others
Middle East and Africa
Turkey
South Africa
Saudi Arabia
UAE
Others

North America exhibits a clear dominance, accounting for the largest seeds market share

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Singapore, and others); Latin America (Brazil, Mexico, Argentina, and others); and the Middle East and Africa (Turkey, South Africa, Saudi Arabia, UAE, others). According to the report, North America accounted for the largest market share since the region has a robust infrastructure and market connectivity that facilitates efficient distribution and access to seeds. Additionally, the presence of well-established supply chains, transportation networks, and regulatory frameworks streamline the movement of seeds from producers to farmers, ensuring the timely availability of the latest seed technologies. Apart from this, the adoption of precision agriculture techniques, data-driven decision-making, and advanced machinery supports the market growth in the region. These practices optimize planting, resource allocation, and crop management, and amplify the potential of high-quality seeds to yield impressive returns. Furthermore, the diverse climate and agro-climatic zones of North America contribute to its market dominance.

Competitive Landscape:

Companies are actively engaged in research, development, production, and distribution of seeds to meet the evolving demands of agriculture, horticulture, and conservation. Additionally, seed companies are investing significant resources to improve seed genetics, traits, and performance. They are employing advanced breeding techniques, including genetic modification and genome editing, to enhance plant resilience, yield potential, and resistance to pests and diseases. Apart from this, they are utilizing sophisticated cultivation practices to ensure the production of high-quality seeds with consistent genetic traits. Moreover, they are focusing on establishing partnerships with agricultural distributors, retailers, and cooperatives to ensure the widespread availability of their products.

The report has provided a comprehensive analysis of the competitive landscape in the market. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

Bayer Crop Science AG
Corteva
Syngenta AG
BASF
Limagrain
KWS SAAT SE
Sakata Seed Corporation
AgReliant Genetics, LLC
DLF Seeds A/S
Yuan Longping High-tech Agriculture Co., Ltd.

Recent Developments:

In June 2023, Corteva opened its first combined crop protection and seed research laboratory in EMEA, helping drive innovation and deliver sustainable solutions for farmers.

In February 2022, BASF's vegetable seeds business developed a tearless onion variety, which has now been launched at supermarkets in France, Germany, Italy, and United Kingdom.

Key Questions Answered in This Report

1. What was the size of the global seeds market in 2023?

2. What is the expected growth rate of the global seeds market during 2024-2032?
3. What are the key factors driving the global seeds market?
4. What has been the impact of COVID-19 on the global seeds market?
5. What is the breakup of the global seeds market based on the type?
6. What is the breakup of the global seeds market based on the seed type?
7. What is the breakup of the global seeds market based on the traits?
8. What is the breakup of the global seeds market based on the seed treatment?
9. What are the key regions in the global seeds market?
10. Who are the key players/companies in the global seeds market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL SEEDS INDUSTRY

- 5.1 Market Overview
- 5.2 Market Performance
 - 5.2.1 Volume Trends
 - 5.2.2 Value Trends
- 5.3 Impact of COVID-19
- 5.4 Price Analysis
 - 5.4.1 Key Price Indicators
 - 5.4.2 Price Structure
 - 5.4.3 Margin Analysis
- 5.5 Market Breakup by Type
- 5.6 Market Breakup by Seed Type
- 5.7 Market Breakup by Traits
- 5.8 Market Breakup by Availability
- 5.9 Market Breakup by Seed Treatment

- 5.10 Market Breakup by Region
- 5.11 Market Forecast
- 5.12 SWOT Analysis
 - 5.12.1 Overview
 - 5.12.2 Strengths
 - 5.12.3 Weaknesses
 - 5.12.4 Opportunities
 - 5.12.5 Threats
- 5.13 Value Chain Analysis
 - 5.13.1 Research and Development
 - 5.13.2 Seed Production
 - 5.13.3 Processing and Packaging
 - 5.13.4 Sales and Distribution
 - 5.13.5 Export
 - 5.13.6 End-Use
- 5.14 Porter's Five Forces Analysis
 - 5.14.1 Overview
 - 5.14.2 Bargaining Power of Buyers
 - 5.14.3 Bargaining Power of Suppliers
 - 5.14.4 Degree of Competition
 - 5.14.5 Threat of New Entrants
 - 5.14.6 Threat of Substitutes
- 5.15 Key Market Drivers and Success Factors

6 MARKET BREAKUP BY TYPE

- 6.1 Genetically Modified Seeds
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Conventional Seeds
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY SEED TYPE

- 7.1 Oilseeds
 - 7.1.1 Soybean
 - 7.1.1.1 Market Trends
 - 7.1.1.2 Market Forecast

- 7.1.2 Sunflower
 - 7.1.2.1 Market Trends
 - 7.1.2.2 Market Forecast
- 7.1.3 Cotton
 - 7.1.3.1 Market Trends
 - 7.1.3.2 Market Forecast
- 7.1.4 Canola/Rapeseed
 - 7.1.4.1 Market Trends
 - 7.1.4.2 Market Forecast
- 7.2 Cereals & Grains
 - 7.2.1 Corn
 - 7.2.1.1 Market Trends
 - 7.2.1.2 Market Forecast
 - 7.2.2 Wheat
 - 7.2.2.1 Market Trends
 - 7.2.2.2 Market Forecast
 - 7.2.3 Rice
 - 7.2.3.1 Market Trends
 - 7.2.3.2 Market Forecast
 - 7.2.4 Sorghum
 - 7.2.4.1 Market Trends
 - 7.2.4.2 Market Forecast
- 7.3 Fruits & Vegetables
 - 7.3.1 Tomatoes
 - 7.3.1.1 Market Trends
 - 7.3.1.2 Market Forecast
 - 7.3.2 Melons
 - 7.3.2.1 Market Trends
 - 7.3.2.2 Market Forecast
 - 7.3.3 Brassica
 - 7.3.3.1 Market Trends
 - 7.3.3.2 Market Forecast
 - 7.3.4 Pepper
 - 7.3.4.1 Market Trends
 - 7.3.4.2 Market Forecast
 - 7.3.5 Lettuce
 - 7.3.5.1 Market Trends
 - 7.3.5.2 Market Forecast
 - 7.3.6 Onion

- 7.3.6.1 Market Trends
- 7.3.6.2 Market Forecast
- 7.3.7 Carrot
 - 7.3.7.1 Market Trends
 - 7.3.7.2 Market Forecast
- 7.4 Burpee & Park
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Alfalfa
 - 7.5.1.1 Market Trends
 - 7.5.1.2 Market Forecast
 - 7.5.2 Clovers and Other Forage
 - 7.5.2.1 Market Trends
 - 7.5.2.2 Market Forecast
 - 7.5.3 Flower Seed
 - 7.5.3.1 Market Trends
 - 7.5.3.2 Market Forecast
 - 7.5.4 Turf Grasses
 - 7.5.4.1 Market Trends
 - 7.5.4.2 Market Forecast

8 MARKET BREAKUP BY TRAITS

- 8.1 Herbicide-Tolerant (HT)
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Insecticide-Resistant (IR)
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Other Stacked Traits
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast

9 MARKET BREAKUP BY AVAILABILITY

- 9.1 Commercial Seeds
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast

9.2 Saved Seeds

9.2.1 Market Trends

9.2.2 Market Forecast

10 MARKET BREAKUP BY SEED TREATMENT

10.1 Treated

10.1.1 Market Trends

10.1.2 Market Forecast

10.2 Untreated

10.2.1 Market Trends

10.2.2 Market Forecast

11 MARKET BREAKUP BY REGION

11.1 North America

11.1.1 United States

11.1.1.1 Market Trends

11.1.1.2 Market Forecast

11.1.2 Canada

11.1.2.1 Market Trends

11.1.2.2 Market Forecast

11.2 Europe

11.2.1 Germany

11.2.1.1 Market Trends

11.2.1.2 Market Forecast

11.2.2 France

11.2.2.1 Market Trends

11.2.2.2 Market Forecast

11.2.3 United Kingdom

11.2.3.1 Market Trends

11.2.3.2 Market Forecast

11.2.4 Italy

11.2.4.1 Market Trends

11.2.4.2 Market Forecast

11.2.5 Spain

11.2.5.1 Market Trends

11.2.5.2 Market Forecast

11.2.6 Russia

- 11.2.6.1 Market Trends
- 11.2.6.2 Market Forecast
- 11.2.7 Others
 - 11.2.7.1 Market Trends
 - 11.2.7.2 Market Forecast
- 11.3 Asia Pacific
 - 11.3.1 China
 - 11.3.1.1 Market Trends
 - 11.3.1.2 Market Forecast
 - 11.3.2 Japan
 - 11.3.2.1 Market Trends
 - 11.3.2.2 Market Forecast
 - 11.3.3 India
 - 11.3.3.1 Market Trends
 - 11.3.3.2 Market Forecast
 - 11.3.4 South Korea
 - 11.3.4.1 Market Trends
 - 11.3.4.2 Market Forecast
 - 11.3.5 Australia
 - 11.3.5.1 Market Trends
 - 11.3.5.2 Market Forecast
 - 11.3.6 Singapore
 - 11.3.6.1 Market Trends
 - 11.3.6.2 Market Forecast
 - 11.3.7 Others
 - 11.3.7.1 Market Trends
 - 11.3.7.2 Market Forecast
- 11.4 Latin America
 - 11.4.1 Brazil
 - 11.4.1.1 Market Trends
 - 11.4.1.2 Market Forecast
 - 11.4.2 Mexico
 - 11.4.2.1 Market Trends
 - 11.4.2.2 Market Forecast
 - 11.4.3 Argentina
 - 11.4.3.1 Market Trends
 - 11.4.3.2 Market Forecast
 - 11.4.4 Others
 - 11.4.4.1 Market Trends

- 11.4.4.2 Market Forecast
- 11.5 Middle East and Africa
 - 11.5.1 Turkey
 - 11.5.1.1 Market Trends
 - 11.5.1.2 Market Forecast
 - 11.5.2 South Africa
 - 11.5.2.1 Market Trends
 - 11.5.2.2 Market Forecast
 - 11.5.3 Saudi Arabia
 - 11.5.3.1 Market Trends
 - 11.5.3.2 Market Forecast
 - 11.5.4 UAE
 - 11.5.4.1 Market Trends
 - 11.5.4.2 Market Forecast
 - 11.5.5 Others
 - 11.5.5.1 Market Trends
 - 11.5.5.2 Market Forecast

12 COMPETITIVE LANDSCAPE

- 12.1 Market Structure
- 12.2 Market Share of Key Players
- 12.3 Key Players

13 KEY PLAYER PROFILES

- 13.1 Bayer Crop Science AG
- 13.2 Corteva
- 13.3 Syngenta AG
- 13.4 BASF
- 13.5 Limagrain
- 13.6 KWS SAAT SE
- 13.7 Sakata Seed Corporation
- 13.8 AgReliant Genetics, LLC
- 13.9 DLF Seeds A/S
- 13.10 Yuan Longping High-tech Agriculture Co., Ltd.

I would like to order

Product name: Seeds Market Report by Type (Genetically Modified Seeds, Conventional Seeds), Seed Type (Oilseeds, Cereals and Grains, Fruits and Vegetables, Burpee and Park, and Others), Traits (Herbicide-Tolerant (HT), Insecticide-Resistant (IR), and Other Stacked Traits), Availability (Commercial Seeds, Saved Seeds), Seed Treatment (Treated, Untreated), and Region 2024-2032

Product link: <https://marketpublishers.com/r/S7E0482431DFEN.html>

Price: US\$ 3,899.00 (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/S7E0482431DFEN.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