

# Global Agrigenomics Market - Forecast from 2026 to 2031

<https://marketpublishers.com/r/GD3A40F97C45EN.html>

Date: January 2026

Pages: 151

Price: US\$ 3,950.00 (Single User License)

ID: GD3A40F97C45EN

## Abstracts

The global agrigenomics market, at a 9.79% CAGR, is expected to reach USD 9.381 billion in 2031, starting from USD 5.357 billion in 2025.

The agrigenomics market is positioned for sustained growth, driven by the critical need to address global food security and advance sustainable agricultural practices. This field, which applies genomic technologies to agriculture, finds application in crop and livestock breeding, genetic engineering, and managing pests and diseases. Ongoing technological advancements, particularly in high-fidelity sequencing, are providing more precise genomic information, thereby unlocking new possibilities for innovation and efficiency within the sector.

### Primary Market Drivers

A fundamental driver for the agrigenomics market is the increasing global demand for food, propelled by continued population growth. This demographic pressure exacerbates challenges related to hunger and malnutrition, creating an urgent need to enhance the productivity and sustainability of food production systems. Agrigenomics offers a pathway to address this by enabling farmers, breeders, and researchers to rapidly identify and utilize genetic markers associated with desirable traits. This capability allows for more informed and efficient cultivation and breeding decisions, ultimately contributing to the development of robust food management systems. The overarching goal is to significantly increase crop production through techniques that work in harmony with ecosystems, minimize external inputs, and help farmers adapt to increasingly erratic weather patterns. Agrigenomics facilitates this by helping to identify novel genes linked to critical traits such as disease immunity, metabolic detoxification, and resistance to pesticides.

The United States is predicted to hold a significant share of the global agrigenomics market. Adoption has increased as the demand for commercially produced crops rises and the agriculture industry faces mounting pressures. Issues such as climate change, water scarcity, and land degradation make it increasingly difficult to meet domestic demand through traditional means. Furthermore, the decreasing availability of arable land due to urbanization intensifies the need for solutions that can enhance yield from existing cultivated areas. Agrigenomics provides a critical tool for improving crop health and harvest yields under these constrained conditions, making it an increasingly essential component of the agricultural sector.

### Industry Evolution and Strategic Direction

The industry is characterized by continuous innovation, with startups and established players actively developing new solutions. Companies are strategically addressing the complexities of cultivating food in an era marked by resource constraints and the escalating impact of climate change. This includes exploring advanced cultivation methods, such as indoor farming, and pursuing regional expansion into new markets. These developments are anticipated to further stimulate market growth and demand for agrigenomic solutions.

The strategic focus within the market is on leveraging genomic technologies to create ecosystems for high productivity across aquaculture, livestock, and crops. The integration of advanced sequencing and data analytics is enabling a more precise approach to agriculture, moving from broad-stroke methods to targeted interventions based on deep genetic understanding. This evolution is crucial for building a resilient agricultural system capable of feeding a growing population while navigating environmental challenges. The convergence of technological capability, market need, and strategic investment points toward a robust and expanding future for the agrigenomics market.

### Key Benefits of this Report:

**Insightful Analysis:** Gain detailed market insights covering major as well as emerging geographical regions, focusing on customer segments, government policies and socio-economic factors, consumer preferences, industry verticals, and other sub-segments.

**Competitive Landscape:** Understand the strategic maneuvers employed by key

players globally to understand possible market penetration with the correct strategy.

**Market Drivers & Future Trends:** Explore the dynamic factors and pivotal market trends and how they will shape future market developments.

**Actionable Recommendations:** Utilize the insights to exercise strategic decisions to uncover new business streams and revenues in a dynamic environment.

**Caters to a Wide Audience:** Beneficial and cost-effective for startups, research institutions, consultants, SMEs, and large enterprises.

What do businesses use our reports for?

Industry and Market Insights, Opportunity Assessment, Product Demand Forecasting, Market Entry Strategy, Geographical Expansion, Capital Investment Decisions, Regulatory Framework & Implications, New Product Development, Competitive Intelligence

Report Coverage:

Historical data from 2021 to 2025 & forecast data from 2026 to 2031

Growth Opportunities, Challenges, Supply Chain Outlook, Regulatory Framework, and Trend Analysis

Competitive Positioning, Strategies, and Market Share Analysis

Revenue Growth and Forecast Assessment of segments and regions including countries

Company Profiling (Strategies, Products, Financial Information, and Key Developments among others.

Segmentation

By Technology

qPCR

Micro Array Technology

Next-Generation Sequencing

Single Nucleotide Polymorphism

Others

By Application

Crop

Livestock

By Service

Genotyping

Trait Purity Testing

Sequencing

Gene Expression Analysis

Others

By Crop Type

Pulses

Grains and Cereals

Fruits and Vegetables

Others

## By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Spain

Others

Middle East and Africa

Saudi Arabia

UAE

Others

Asia Pacific

China

India

Japan

South Korea

Indonesia

Thailand

Others

## Contents

### **1. EXECUTIVE SUMMARY**

### **2. MARKET SNAPSHOT**

- 2.1. Market Overview
- 2.2. Market Definition
- 2.3. Scope of the Study
- 2.4. Market Segmentation

### **3. BUSINESS LANDSCAPE**

- 3.1. Market Drivers
- 3.2. Market Restraints
- 3.3. Market Opportunities
- 3.4. Porter's Five Forces Analysis
- 3.5. Industry Value Chain Analysis
- 3.6. Policies and Regulations
- 3.7. Strategic Recommendations

### **4. TECHNOLOGICAL OUTLOOK**

### **5. GLOBAL AGRIGENOMICS MARKET BY TECHNOLOGY**

- 5.1. Introduction
- 5.2. qPCR
- 5.3. Micro Array Technology
- 5.4. Next-Generation Sequencing
- 5.5. Single Nucleotide Polymorphism
- 5.6. Others

### **6. GLOBAL AGRIGENOMICS MARKET BY APPLICATION**

- 6.1. Introduction
- 6.2. Crop
- 6.3. Livestock

### **7. GLOBAL AGRIGENOMICS MARKET BY SERVICE**

- 7.1. Introduction
- 7.2. Genotyping
- 7.3. Trait Purity Testing
- 7.4. Sequencing
- 7.5. Gene Expression Analysis
- 7.6. Others

## **8. GLOBAL AGRIGENOMICS MARKET BY CROP TYPE**

- 8.1. Introduction
- 8.2. Pulses
- 8.3. Grains and Cereals
- 8.4. Fruits and Vegetables
- 8.5. Others

## **9. GLOBAL AGRIGENOMICS MARKET BY GEOGRAPHY**

- 9.1. Introduction
- 9.2. North America
  - 9.2.1. USA
  - 9.2.2. Canada
  - 9.2.3. Mexico
- 9.3. South America
  - 9.3.1. Brazil
  - 9.3.2. Argentina
  - 9.3.3. Others
- 9.4. Europe
  - 9.4.1. Germany
  - 9.4.2. France
  - 9.4.3. United Kingdom
  - 9.4.4. Spain
  - 9.4.5. Others
- 9.5. Middle East and Africa
  - 9.5.1. Saudi Arabia
  - 9.5.2. UAE
  - 9.5.3. Others
- 9.6. Asia Pacific
  - 9.6.1. China

- 9.6.2. India
- 9.6.3. Japan
- 9.6.4. South Korea
- 9.6.5. Indonesia
- 9.6.6. Thailand
- 9.6.7. Others

## **10. COMPETITIVE ENVIRONMENT AND ANALYSIS**

- 10.1. Major Players and Strategy Analysis
- 10.2. Market Share Analysis
- 10.3. Mergers, Acquisitions, Agreements, and Collaborations
- 10.4. Competitive Dashboard

## **11. COMPANY PROFILES**

- 11.1. ThermoFisher Scientific
- 11.2. Eurofins
- 11.3. Illumine Inc
- 11.4. Neogen Corporation
- 11.5. Zoetis Inc
- 11.6. Galseq
- 11.7. AgriGenome Labs Pvt Ltd
- 11.8. Biogenetic Services Inc
- 11.9. Daicel Arbor Biosciences
- 11.10. Tecan Trading AG

## **12. APPENDIX**

- 12.1. Currency
- 12.2. Assumptions
- 12.3. Base and Forecast Years Timeline
- 12.4. Key Benefits for the Stakeholders
- 12.5. Research Methodology
- 12.6. Abbreviations

## **1. EXECUTIVE SUMMARY**

## **2. MARKET SNAPSHOT**

- 2.1. Market Overview
- 2.2. Market Definition
- 2.3. Scope of the Study
- 2.4. Market Segmentation

### **3. BUSINESS LANDSCAPE**

- 3.1. Market Drivers
- 3.2. Market Restraints
- 3.3. Market Opportunities
- 3.4. Porter's Five Forces Analysis
- 3.5. Industry Value Chain Analysis
- 3.6. Policies and Regulations
- 3.7. Strategic Recommendations

### **4. TECHNOLOGICAL OUTLOOK**

### **5. GLOBAL AGRIGENOMICS MARKET BY TECHNOLOGY**

- 5.1. Introduction
- 5.2. qPCR
- 5.3. Micro Array Technology
- 5.4. Next-Generation Sequencing
- 5.5. Single Nucleotide Polymorphism
- 5.6. Others

### **6. GLOBAL AGRIGENOMICS MARKET BY APPLICATION**

- 6.1. Introduction
- 6.2. Crop
- 6.3. Livestock

### **7. GLOBAL AGRIGENOMICS MARKET BY SERVICE**

- 7.1. Introduction
- 7.2. Genotyping
- 7.3. Trait Purity Testing
- 7.4. Sequencing

7.5. Gene Expression Analysis

7.6. Others

## **8. GLOBAL AGRIGENOMICS MARKET BY CROP TYPE**

8.1. Introduction

8.2. Pulses

8.3. Grains and Cereals

8.4. Fruits and Vegetables

8.5. Others

## **9. GLOBAL AGRIGENOMICS MARKET BY GEOGRAPHY**

9.1. Introduction

9.2. North America

9.2.1. USA

9.2.2. Canada

9.2.3. Mexico

9.3. South America

9.3.1. Brazil

9.3.2. Argentina

9.3.3. Others

9.4. Europe

9.4.1. Germany

9.4.2. France

9.4.3. United Kingdom

9.4.4. Spain

9.4.5. Others

9.5. Middle East and Africa

9.5.1. Saudi Arabia

9.5.2. UAE

9.5.3. Others

9.6. Asia Pacific

9.6.1. China

9.6.2. India

9.6.3. Japan

9.6.4. South Korea

9.6.5. Indonesia

9.6.6. Thailand

9.6.7. Others

## **10. COMPETITIVE ENVIRONMENT AND ANALYSIS**

- 10.1. Major Players and Strategy Analysis
- 10.2. Market Share Analysis
- 10.3. Mergers, Acquisitions, Agreements, and Collaborations
- 10.4. Competitive Dashboard

## **11. COMPANY PROFILES**

- 11.1. ThermoFisher Scientific
- 11.2. Eurofins
- 11.3. Illumine Inc
- 11.4. Neogen Corporation
- 11.5. Zoetis Inc
- 11.6. Galseq
- 11.7. AgriGenome Labs Pvt Ltd
- 11.8. Biogenetic Services Inc
- 11.9. Daicel Arbor Biosciences
- 11.10. Tecan Trading AG

## **12. APPENDIX**

- 12.1. Currency
- 12.2. Assumptions
- 12.3. Base and Forecast Years Timeline
- 12.4. Key Benefits for the Stakeholders
- 12.5. Research Methodology
- 12.6. Abbreviations

## I would like to order

Product name: Global Agrigenomics Market - Forecast from 2026 to 2031

Product link: <https://marketpublishers.com/r/GD3A40F97C45EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD3A40F97C45EN.html>