

# **Global Agrigenomics Market Size study, by Sequencer (Sanger sequencer, Illumina HiSeq, PacBio sequencer, SOLiD sequencer, Others (Roche GS FLX, Ion Torrent, Oxford Nanopore, and Danaher GeXP)), by Application (Crops, Livestock) by Objective (DNA extraction and purification, DNA/RNA sequencing, Genotyping, Gene expression profiling, Marker-assisted selection, GMO/Trait purity, Other objectives (hybrid purity testing, targeted resequencing, DNA parentage testing, QTL mapping, and genetic disease identification)) and Regional Forecasts 2020-2027**

<https://marketpublishers.com/r/GBC641AA0916EN.html>

Date: October 2020

Pages: 200

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

ID: GBC641AA0916EN

## **Abstracts**

Global Agrigenomics Market is valued approximately USD 11.6 billion in 2019 and is anticipated to grow with a healthy growth rate of more than 8.2% over the forecast period 2020-2027. Agrigenomics is the study of the genetic make-up of crops and animals that affect the product. The use of genomics in agriculture helps to increase the sustainability and productivity of livestock production and crop production. The global Agrigenomics market is driven by technological advancements, rise in funds toward research in agrigenomics fuel the adoption of novel technologies. The market is primarily driven by Growing Food Demand and Shrinking Land. For instance, according to World bank, Farmland per capita is expected to decrease to 1800 m<sup>2</sup> in 2030 from 2,200 m<sup>2</sup> in 2005. Different crop pests lead to the decline, causing 10-16 percent annual global crop losses. While new plant technologies are constantly being developed to combat pest attacks, they are also contributing to the production of new strains of pests that are difficult to destroy. The number of fungal losses in major crops is

sufficient to feed almost 9% of the world's population. Agrigenomics is therefore the main policy embraced by farmers to meet the global demand for food. . Different crop pests contribute to the decline, causing annual global crop losses of 10-16 per cent. While the latest plant technologies are being developed continuously to combat pest attacks, they are also contributing to the development of new and difficult-to-kill pest strains. The number of fungal losses in major crops is sufficient to feed almost 9% of the world's population. Agrigenomics is thus the main policy farmers have embraced for meeting global food demand. However, low adoption of automated instruments, highly consolidated equipment industry reduces innovative research approach in agrigenomics Labs would restraint the market growth.

The regional analysis of Global Agrigenomics Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of Technological Advancements. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as Rise in Funds Toward Research in Agrigenomics Fuel the Adoption of Novel Technologies would create lucrative growth prospects for the Agrigenomics Market across Asia-Pacific region.

Major market player included in this report are:

Eurofins Scientific Se

Agilent Technologies' Inc.

Thermo Fisher Scientific' Inc.

LGS Limited.

Illumina' Inc.

Zoetis' Inc.

Neogen Corporation

Galseq Srl Via Italia

Agrigenomics' Inc.

Biogenetic Services' Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key

players. The detailed segments and sub-segment of the market are explained below:

By Sequencer:

Sanger sequencer

Illumina HiSeq

PacBio sequencer

SOLiD sequencer

Others (Roche GS FLX, Ion Torrent, Oxford Nanopore, and Danaher GeXP)

By Application:

Crops

Livestock

By Objective:

DNA extraction and purification

DNA/RNA sequencing

Genotyping

Gene expression profiling

Marker-assisted selection

GMO/Trait purity

Other objectives (hybrid purity testing, targeted resequencing, DNA parentage testing, QTL mapping, and genetic disease identification)

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018  
Base year – 2019  
Forecast period – 2020 to 2027

Target Audience of the Global Agrigenomics Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
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Investors

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