

Global Agrigenomics Market Size Study, by Application (Crop, Livestock), Sequencer (Sanger Sequencing, Illumina Hi Seq Family, PacBio Sequencing), and Regional Forecasts 2022-2032

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Abstracts

The global agrigenomics market, valued at approximately USD 3.61 billion in 2023, is poised to grow significantly at a compound annual growth rate (CAGR) of 9.50%, reaching an estimated USD 8.17 billion by 2032. Agrigenomics, a rapidly evolving field, integrates genomics technologies into agriculture to optimize crop and livestock production. These solutions offer unparalleled potential to enhance productivity, resilience, and sustainability, meeting the challenges posed by climate change, population growth, and food security.

The exponential rise in demand for precision farming and sustainable agricultural practices is driving market growth. Innovations such as high-throughput sequencing technologies enable comprehensive genetic analyses, empowering stakeholders to improve traits like disease resistance, yield, and nutritional value. Sequencers like Illumina Hi Seq Family and PacBio are revolutionizing agricultural research by enabling the mapping of complex genomes. Additionally, growing investments in agrigenomic projects by governments and private players worldwide underscore the market's robust trajectory. However, high costs associated with sequencing and data management complexities remain key challenges.

Regionally, North America dominates the agrigenomics market, owing to advanced R&D infrastructure and the presence of major genomics players. Europe closely follows, driven by stringent regulatory frameworks promoting sustainable agriculture. Meanwhile, the Asia-Pacific region is anticipated to exhibit the fastest growth during the forecast period, bolstered by increasing agricultural investments and the adoption of advanced



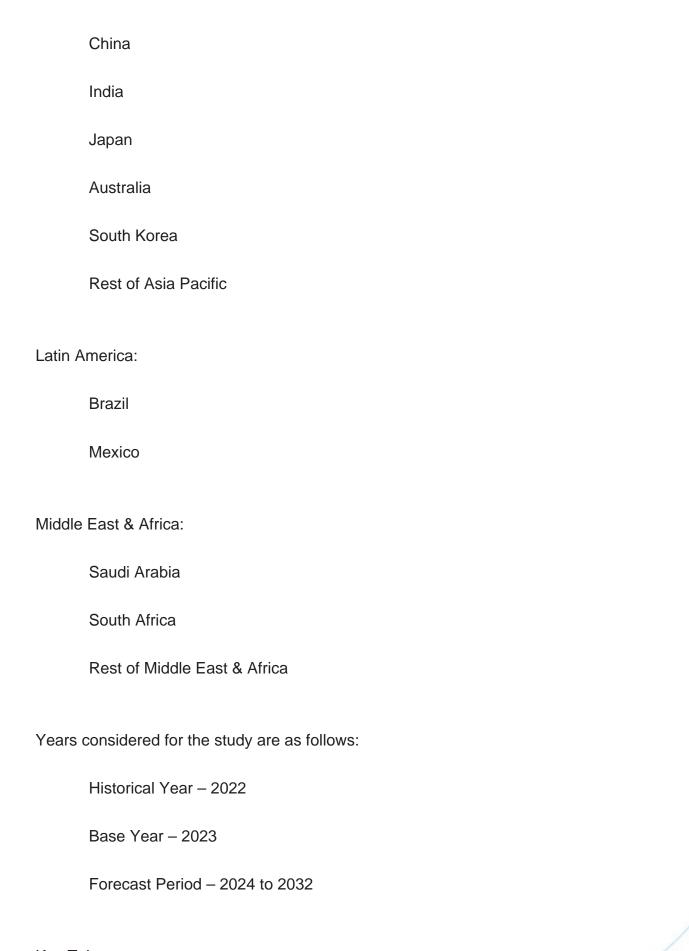
technologies in countries like China and India.

Major market players included in this report are:		
Thermo Fisher Scientific, Inc.		
Illumina, Inc.		
Agilent Technologies, Inc.		
Eurofins Scientific		
Pacific Biosciences of California, Inc.		
LGC Limited		
Neogen Corporation		
Qiagen N.V.		
Danaher Corporation		
KeyGene N.V.		
BGI Group		
PerkinElmer, Inc.		
Novogene Corporation		
NRGene		
Biomatters Limited		
The detailed segments and sub-segment of the market are explained below:		
By Application:		



	Crop	
	Livestock	
By Sequencer:		
	Sanger Sequencing	
	Illumina Hi Seq Family	
	PacBio Sequencing	
By Region:		
North America:		
	U.S.	
	Canada	
Europe:		
	UK	
	Germany	
	France	
	Spain	
	Italy	
	Rest of Europe	





Key Takeaways:



Market estimates and forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of geographical landscape with country-level insights.

Competitive landscape and strategies of major players.

Exploration of market drivers, challenges, and opportunities.

Strategic recommendations for stakeholders to maximize returns and capitalize on market trends.



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