

Unleashing the Potential: Exploring Next-Generation Genetic Engineering in Agriculture Market 2023

The global next-generation genetic engineering in agriculture market is projected to reach \$1,298 million by 2030, registering a CAGR of 5.9% from 2021 to 2030.

PORTLAND, OREGON, UNITED STATES, May 29, 2023 /EINPresswire.com/ -- The global next-generation genetic engineering in agriculture market size was valued at \$756 million in 2020, and is projected to reach \$1,298 million by 2030, registering a CAGR of 5.9% from 2021 to 2030.

Global NEXT GENERATION
GENETIC ENGINEERING IN
AGRICULTURE Market
OPPORTUNITIES AND FORECAST, 2021-2030

Global Next Generation Genetic
Engineering in Agriculture Market
is expected to reach \$1,298
Million by 2030

Growing at a
CAGR of 5.9% (2020-2030)

Next Generation Genetic Engineering in Agriculture Market

CAGR: 5.9%

Current Market Size: USD 576 Million

Forecast Growing Region: APAC

Largest Market: North America

Projection Time: 2021 – 2030

Base Year: 2021

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DNA & RNA Sequencing Genotyping

GENE Expression Profiling GMO-trait Purity Testing

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Cereals & grains Oilseeds & pulses Fruits & vegetables

Yield improvement Disease resistance Herbicide tolerance

Agilent Technologies Eurofins Scientific SE

Illumina, Inc.

KeyGene N.V.

Neogen Corporation

Novogene Corporation Ltd.

NRGene Ltd.

Oxford Nanopore Technologies Ltd.

QIAGEN N.V.

SGS-TraitGenetics GmbH

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The agricultural industry is constantly seeking innovative solutions to meet the increasing demands for food production, while also addressing challenges such as climate change, pest resistance, and limited resources. Next-generation genetic engineering holds immense promise in revolutionizing agriculture by unlocking the full potential of crop improvement. In this blog, we will explore the exciting advancements and market trends in next-generation genetic engineering in agriculture, highlighting its potential to reshape the future of farming.

Introduce the concept of next-generation genetic engineering and its significance in agriculture. Discuss the principles and techniques involved, such as CRISPR-Cas9, gene editing, and RNA interference.

Highlight the advantages of next-generation genetic engineering over traditional breeding methods.

Provide an overview of the latest advancements in next-generation genetic engineering, focusing on crop traits like yield improvement, disease resistance, and enhanced nutritional value. Explore case studies and success stories of genetically engineered crops that have shown remarkable performance in field trials.

Discuss the potential impact of next-generation genetic engineering on sustainable agriculture and food security.

Analyze the current market landscape of next-generation genetic engineering in agriculture. Highlight key players, research institutions, and startups involved in developing and commercializing genetic engineering technologies.

Discuss the market potential and growth prospects for next-generation genetic engineering in agriculture, including forecasts and estimated market value.

Examine the regulatory frameworks and policies surrounding next-generation genetic engineering in different countries.

Discuss public perception, ethical concerns, and potential risks associated with genetically modified crops.

Address the importance of transparent communication and responsible implementation of next-generation genetic engineering technologies.

Identify challenges and obstacles in the widespread adoption of next-generation genetic engineering in agriculture.

Discuss ongoing research and development efforts to overcome these challenges.

Provide insights into the future outlook of the market, including emerging trends and potential breakthroughs.

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The study provides an in-depth analysis of the next-generation genetic engineering in agriculture market size along with the current trends and future estimations to elucidate the imminent investment pockets.

It covers next-generation genetic engineering in agriculture market analysis from 2020 to 2030, which is expected to enable the stakeholders to capitalize on the prevailing opportunities in the market.

A comprehensive analysis of factors that drive and restrain the growth of the market is provided.

The profiles and growth strategies of the key players are thoroughly analyzed to understand the competitive outlook and next-generation genetic engineering in agriculture market growth.

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