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Global Plant Genetic Engineering Market Research Report 2023

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Abstracts

Some benefits of genetic engineering in agriculture are increased crop yields, reduced costs for food or drug production, reduced need for pesticides, enhanced nutrient composition and food quality, resistance to pests and disease, greater food security, and medical benefits to the world's growing population.

According to QYResearch’s new survey, global Plant Genetic Engineering market is projected to reach US$ 3994.4 million in 2029, increasing from US$ 1536 million in 2022, with the CAGR of 14.8% during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole Plant Genetic Engineering market research.

Seeds are the 'chip' of agriculture and the foundation of food security. According to the prediction of the OECD (OECD), the global population will reach 8.5 billion in 2030. The improvement of productivity is the key to feeding the growing global population. It is expected that 87% of the global crop yield growth in 2030 will come from unit yield growth, 6% from expanding land use, and 7% from increasing planting intensity. In the future, the improvement of agricultural product production will mainly rely on innovation, the most important of which is the innovation of the seed industry. Driven by demand, the global seed industry will continue to expand in scale. According to the prediction of Allied Market Research, a market research institution, the global seed industry market size will reach $105.3 billion by 2031, with a compound annual growth rate of 4.5% from 2022 to 2031. Among them, the Asia Pacific region has the largest share. Compared to conventional seeds, the compound annual growth rate of genetically modified seeds is higher, reaching 4.9%.

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Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Plant Genetic Engineering market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

- Agilent Technologies
- Eurofins Scientific
- Illumina
- Keygene
- Neogen Corporation
- Novogene Corporation
- Nrgene
- Oxford Nanopore Technologies
- Qiagen
- SGS

Segment by Type

- Artificial Selection
- Cloning
- Gene Splicing

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Segment by Application

- Cereals and Grains
- Oilseeds and Pulses
- Fruits and Vegetables

By Region

- North America
  - United States
  - Canada
- Europe
  - Germany
  - France
  - UK
  - Italy
  - Russia
  - Nordic Countries
  - Rest of Europe
- Asia-Pacific
  - China
  - Japan

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South Korea

Southeast Asia

India

Australia

Rest of Asia

Latin America

Mexico

Brazil

Rest of Latin America

Middle East & Africa

Turkey

Saudi Arabia

UAE

Rest of MEA

The Plant Genetic Engineering report covers below items:

Chapter 1: Product Basic Information (Definition, Type and Application)

Chapter 2: Global market size, regional market size. Market Opportunities and Challenges

Chapter 3: Companies' Competition Patterns

Chapter 4: Product Type Analysis

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