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Global Fourth Generation Insecticide Market Growth 2025-2031

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Abstracts

The global Fourth Generation Insecticide market size is predicted to grow from US$ 1817 million in 2025 to US$ 2389 million in 2031; it is expected to grow at a CAGR of 4.7% from 2025 to 2031.

As the fourth generation of insecticides after organophosphates, carbamates, and pyrethroids, neonicotinoid pesticides can be divided into four generations of products according to their chemical structure: five-membered ring, six-membered ring, chlorinated, thiolated, and furan-type products. This classification not only reflects the development history of neonicotinoid pesticides, but also reflects the continuous innovation capabilities of the pesticide industry. Compared with the previous three generations of insecticides, the fourth generation of insecticides has significantly improved insecticidal effects, resistance management, and ecological safety. The research and development goals of the fourth generation of insecticides include more precise targeting of pests, reducing negative impacts on the environment and other organisms, and avoiding crop residue problems while preventing and controlling pests.

United States market for Fourth Generation Insecticide is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Fourth Generation Insecticide is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Fourth Generation Insecticide is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Fourth Generation Insecticide players cover Shandong Zhongnong United,

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Shandong Hailier, Sichuan Huihe, Yongnong Bio, Jiangsu Kesheng Group, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Fourth Generation Insecticide Industry Forecast” looks at past sales and reviews total world Fourth Generation Insecticide sales in 2024, providing a comprehensive analysis by region and market sector of projected Fourth Generation Insecticide sales for 2025 through 2031. With Fourth Generation Insecticide sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Fourth Generation Insecticide industry.

This Insight Report provides a comprehensive analysis of the global Fourth Generation Insecticide landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Fourth Generation Insecticide portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Fourth Generation Insecticide market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Fourth Generation Insecticide and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Fourth Generation Insecticide.

This report presents a comprehensive overview, market shares, and growth opportunities of Fourth Generation Insecticide market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Nicotine Chlorine

Nicotine Thiolate

Nicotine Furanate

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Segmentation by Application:

- Rice
- Wheat
- Corn
- Cotton
- Other

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India

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Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Shandong Zhongnong United

Shandong Hailier

Sichuan Huihe

Yongnong Bio

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Jiangsu Kesheng Group

Hebei Noda Agrochemicals

Changqing Shares

Yangnong Group

Jiangsu Changlong

Red Sun

Huasheng Chemical

Sanjiang Yinong

Hisun Chemical

Huaxing Chemical

Bayer

Takeda

NIPPON SODA

Syngenta

Mitsui Chemicals

Corteva

Key Questions Addressed in this Report

What is the 10-year outlook for the global Fourth Generation Insecticide market?

What factors are driving Fourth Generation Insecticide market growth, globally and by region?

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Which technologies are poised for the fastest growth by market and region?

How do Fourth Generation Insecticide market opportunities vary by end market size?

How does Fourth Generation Insecticide break out by Type, by Application?

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