

Pyrethrin Market Size, Share, Trends and Forecast by Type, Pest Type, Application, and Region, 2025-2033

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Report description:

The global pyrethrin market size was valued at USD 67.7 Million in 2024. Looking forward, IMARC Group estimates the market to reach USD 120.7 Million by 2033, exhibiting a CAGR of 6.3% during 2025-2033. North America currently dominates the market, holding a significant market share of over 46.5% in 2024. This is driven by strong agricultural demand, growing consumer preference for eco-friendly solutions, and regulatory support.

Pyrethrin is a natural insecticide derived from the flowers of certain chrysanthemum plants, primarily *Chrysanthemum cinerariifolium* and *Chrysanthemum cinerariifolium*. These flowers contain compounds known as pyrethrins, which have powerful insecticidal properties. It is used to control various insect pests due to its effectiveness and relatively low toxicity to mammals. The active compounds in pyrethrin affect the nervous system of insects, leading to paralysis and eventual death. They target the insect's sodium channels, which are essential for transmitting nerve impulses. Pyrethrins disrupt the normal functioning of these channels, resulting in nerve hyperexcitation and muscle paralysis. They are effective against flying insects like mosquitoes, flies, and moths. Pyrethrin is commonly used in household insecticides, pet sprays, and agricultural products. Many favored it due to its fast action and low persistence in the environment. It breaks down rapidly when exposed to light and air, minimizing its impact on non-target organisms and reducing the risk of contamination in food crops. It is a valuable tool in integrated pest management strategies, providing an effective and relatively safe option for controlling insect pests.

Pyrethrin Market Trends:

The global pyrethrin market is experiencing significant growth due to several key factors driving its demand and adoption worldwide. These factors include increasing concerns about insect-borne diseases, growing awareness and preference for natural and eco-friendly pest control solutions, expanding agricultural activities, and the rising demand for pyrethrin-based products in various industries. One of the primary drivers of the pyrethrin market is the escalating concern over insect-borne diseases. Mosquito-borne diseases such as malaria, dengue fever, and Zika virus have been a persistent global health issue. Pyrethrin's effectiveness in controlling mosquitoes and other disease-carrying insects has led to its extensive use in public health programs,

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residential settings, and commercial spaces. The ongoing efforts to combat these diseases and reduce their transmission rates are fueling the demand for pyrethrin-based insecticides. Furthermore, there is a growing awareness and preference for natural and eco-friendly pest control solutions. Consumers are increasingly seeking alternatives to synthetic pesticides that have potentially harmful effects on human health and the environment. As a naturally derived insecticide, pyrethrin offers a safer and more environmentally friendly option. The demand for organic and natural products is on the rise, leading to increased adoption of pyrethrin in both residential and commercial applications. Moreover, the diverse applications of pyrethrin in various industries contribute to its market growth. Pyrethrin is used not only in agriculture and public health but also in animal health, household insecticides, pet care products, and even in the textile industry for fabric treatments. The versatility of pyrethrin and its broad range of applications is expanding its market potential across different sectors.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global pyrethrin market, along with forecast at the global, regional, and country levels from 2025-2033. The market has been categorized based on type, pest type, and application.

Type Insights:

- Pyrethrin I
- Pyrethrin II

The report has provided a detailed breakup and analysis of the pyrethrin market based on the type. This includes pyrethrin I and pyrethrin II. According to the report, pyrethrin I represented the largest segment.

Pest Type Insights:

- Lepidoptera
- Sucking Pests
- Coleoptera
- Diptera
- Mites
- Others

A detailed breakup and analysis of the pyrethrin market based on the pest type have also been provided in the report. This includes Lepidoptera, Sucking Pests, Coleoptera, Diptera, Mites, and others. According to the report, diptera accounted for the largest market share.

Application Insights:

- Agricultural Insecticides
- Household Insecticides
- Commercial and Industrial
- Animal Healthcare
- Others

A detailed breakup and analysis of the pyrethrin market based on the application have also been provided in the report. This includes agricultural insecticides, household insecticides, commercial and industrial, animal healthcare, and others.

Regional Insights:

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- North America
- United States
- Canada
- Asia Pacific
- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Others
- Europe
- Germany
- France
- United Kingdom
- Italy
- Spain
- Russia
- Others
- Latin America
- Brazil
- Mexico
- Others
- Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America was the largest market for pyrethrin. Some of the factors driving the North America pyrethrin market include increasing concerns about insect-borne diseases, growing awareness and preference for natural and eco-friendly pest control solutions, the growing awareness and preference for natural and eco-friendly pest control solutions, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global pyrethrin market. Detailed profiles of all major companies have been provided. Some of the companies covered include China Xi'an Nutrendhealth Biotechnology Co. Ltd., Kapi Limited, Pestech Australia Pty Ltd, Scintex Australia, Sumitomo Chemical Co., Ltd., W. Neudorff GmbH KG, Zhejiang Rayfull Chemicals Co. Ltd., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

- 1.How big is the pyrethrin market?
- 2.What is the future outlook of pyrethrin market?
- 3.What are the key factors driving the pyrethrin market?
- 4.Which region accounts for the largest pyrethrin market share?
- 5.Which are the leading companies in the global pyrethrin market?

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