

**Vietnam Insecticide Market Size and Share Outlook - Forecast Trends and Growth
Analysis Report (2025-2034)**

Market Report | 2025-06-28 | 120 pages | EMR Inc.

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Report description:

The Vietnam insecticide market size reached around USD 1.69 Billion in 2024. Insecticides play a crucial role in safeguarding crops such as rice, vegetables, and fruits, thereby ensuring high-quality yields that satisfy both domestic and international market requirements. The market is projected to grow at a CAGR of 4.10% between 2025 and 2034 to reach nearly USD 2.53 Billion by 2034.

Vietnam Insecticide Market Summary Report

Description

Value

Base Year

USD Billion

2024

Historical period

USD Billion

2018-2024

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Forecast Period

USD Billion

2025-2034

Market Size 2024

USD Billion

1.69

Market Size 2034

USD Billion

2.53

CAGR 2018-2024

Percentage

XX%

CAGR 2025-2034

Percentage

4.10%

CAGR 2025-2034 - Market by Region

Mekong River Delta

4.7%

CAGR 2025-2034 - Market by Region

Red River Delta

4.4%

CAGR 2025-2034 - Market by Type

Botanical

4.6%

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CAGR 2025-2034 - Market by Crop Type

Fruits and Vegetables

4.5%

Market Share by Region 2024

Southeast

39.6%

Vietnam Insecticide Market Growth

Vietnam is primarily recognised as an agricultural country, a status that is underscored by its vast land resources. The nation encompasses a total land area of approximately 33.1 million hectares, positioning it as the 65th largest country in the world. Within this extensive land area, a significant portion of 27.3 million hectares is designated as agricultural land. This allocation highlights the importance of agriculture in Vietnam's economy and society, with 42.2% of the total land area specifically set aside for agricultural production. The growth of Vietnam's agriculture sector, propelled by heightened crop production and export requirements, is stimulating the development of the insecticides market. To safeguard crops such as rice, vegetables, and fruits from pest infestations, farmers are increasingly depending on efficient insecticides to improve both yield and quality.

As per the Vietnam insecticides market analysis, in recent years, Vietnam has made notable strides in the management of agrochemicals, reflecting a growing awareness of the need for sustainable agricultural practices. The Ministry of Agriculture and Rural Development (MARD) has taken proactive measures to regulate the use of agrochemicals, which are essential for enhancing crop yields and protecting plants from pests and diseases. As part of these efforts, Ministry of Agriculture and Rural Development has published a comprehensive list that identifies 503 mono active ingredients used in various agrochemical products. This list is categorised into three main types including pesticides, which include 133 active ingredients; fungicides, comprising 157 active ingredients; and herbicides, which account for 85 active ingredients.

Key Trends and Developments

The Vietnam insecticide market growth can be attributed to increasing agricultural demand, rising adoption of modern agricultural practices, the impact of climate change on pest dynamics, and rising government initiatives in the region.

November 2023

Vietnam and the Netherlands collaborated on integrated pest management initiatives, with Vietnam targeting a 30% reduction in registered chemical pesticide brands by replacing them with bioproducts. The Netherlands, recognised for its expertise in biological crop protection and sustainable agriculture, was a key partner in this effort. This partnership not only seeks to reduce reliance on chemical pesticides but also aims to promote the use of bioproducts that can effectively manage pests and diseases in crops.

October 2023

Bayer, a prominent global life sciences company, launched its first bio-fungicide, Serenade SC, in Vietnam. This innovative product

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aimed to improve crop yield and quality for local farmers while ensuring a residue-free solution that complied with strict export standards. The introduction of Serenade SC aligns with Bayer's broader commitment to sustainable agriculture. The product is developed using natural ingredients, making it an environmentally friendly alternative to traditional chemical fungicides.

July 2023

The Plant Protection Department (PPD) of the Ministry of Agriculture and Rural Development (MARD) signed a Memorandum of Understanding (MoU) with CropLife Asia to implement the 'Sustainable Pesticide Management Framework.' Under the MoU, CropLife decided to work with stakeholders in Vietnam to develop a framework for sustainable pesticide use and support innovations for smallholder farmers. Additionally, the collaboration seeks to enhance awareness about the responsible use of pesticides, encouraging practices that minimise environmental impact and promote biodiversity.

February 2021

Bayer Vietnam's Crop Science Division introduced Vayego 200SC, an innovative multi-functional insecticide designed to combat caterpillars and meet the varied protective requirements of contemporary farmers. Vayego assisted farmers in Vietnam in better protecting their crops, allowing them to reduce insect damage and safeguard their livelihoods. Bayer Vietnam's Crop Science Division played a crucial role in boosting agricultural productivity and supporting farmers' livelihoods across the region.

Increasing Demand for Agricultural Output

As Vietnam's population grew and the demand for agricultural exports increased, the need for pest control solutions became increasingly evident, further driving the demand for the Vietnam insecticide market. Insecticides play a crucial role in safeguarding crops such as rice, vegetables, and fruits, thereby ensuring high-quality yields that satisfy both domestic and international market requirements. Pests pose a significant threat to agricultural productivity, often leading to substantial losses in crop yields. Insect infestations can devastate essential crops such as rice, which is a staple food for the Vietnamese population and a key export product. Similarly, vegetables and fruits, which are vital for both local consumption and international trade, are also susceptible to various pests.

Embracing Modern Agricultural Practices

One of the notable trends in the Vietnam insecticide market is the adoption of modern agricultural practices in the region. The transition to modern farming methods, which includes the implementation of machinery and precision agriculture, has resulted in a greater dependence on insecticides for effective pest control. This shift not only minimises manual labour but also enhances crop yields within Vietnam's agricultural landscape. The move towards modern farming practices is driven by several factors, including the need to enhance productivity and efficiency in an increasingly competitive agricultural landscape. By utilising machinery, farmers can streamline their operations, and reduce the time and effort required for planting, cultivating, and harvesting crops.

Impact of Climate Change on Pest Dynamics

Climate change has significantly influenced pest behaviour and their geographical distribution, leading to more severe pest outbreaks. In response, farmers are increasingly utilising insecticides to adapt to these evolving challenges and combat the rising resistance to conventional pest control strategies, thereby maintaining consistent crop productivity. This expansion is often accompanied by changes in their life cycles, reproductive rates, and feeding habits, which can result in increased competition for resources and heightened damage to crops. Additionally, altered climatic conditions can create more favourable environments for certain pests, allowing them to thrive and reproduce at unprecedented rates, thereby leading to the Vietnam insecticide market

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expansion.

Rising Government Initiatives in the Region

Government programs aimed at enhancing agricultural productivity and ensuring food security are propelling the use of insecticides. Supportive policies for crop protection products, coupled with subsidies and educational programs for farmers, promote the adoption of effective insecticide strategies for pest management in Vietnam. In addition to policy support, the government is also providing financial incentives in the form of subsidies for the purchase of insecticides and other agricultural inputs. These subsidies help to reduce the financial burden on farmers, making it more feasible for them to invest in high-quality pest control measures.

Vietnam Insecticide Market Trends

The market is witnessing consistent growth, propelled by increasing agricultural needs and the demand for effective pest control solutions. As pests develop resistance to traditional methods, farmers are increasingly adopting advanced insecticides to enhance crop protection. The market dynamics are further shaped by the implementation of modern agricultural practices, including precision farming and integrated pest management, which utilise insecticides for targeted pest interventions. Additionally, government initiatives aimed at boosting agricultural productivity and pest control are fostering market expansion. There is also a growing preference for eco-friendly and organic insecticides, as both consumers and regulatory bodies advocate for sustainable, low-residue alternatives. Moreover, the impact of climate change on pest behavior intensifies the necessity for innovative insecticides, ensuring reliable crop yields and superior quality produce within Vietnam's varied agricultural landscape.

Vietnam Insecticide Industry Segmentation

The EMR's report titled "Vietnam Insecticide Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

Breakup by Type

- Pyrethroids
- Organophosphates
- Carbamates
- Botanical
- Others

Breakup by Application Mode

- Foliar Spray
- Seed Treatment
- Soil Treatment
- Others

Breakup by Crop Type

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

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□ Others

Breakup by Region

□ Southeast

□ Red River Delta

□ Great Lakes

□ Mekong River Delta

□ South Central Coast

□ Others

CAGR 2025-2034 - Market by

Crop Type

Fruits and Vegetables

4.5%

Grains and Cereals

4.3%

Pulses and Oilseeds

XX%

Others

XX%

Vietnam Insecticide Market Share

Based on the crop type, the market is segmented into fruits and vegetables, grains and cereals, and pulses and oilseeds, among others. The increasing use of insecticides in fruits and vegetables is driven by the growing need for effective pest management in modern farming practices. In Vietnam, farmers employ various application techniques, including foliar application and seed treatment, to achieve targeted pest control. Foliar applications have captured a substantial share of the market due to their quick effectiveness against pests such as rice stem borers and armyworms.

Insecticides are utilised on grains and cereals to defend against pests such as weevils and moths, thereby preventing damage to crops, preserving quality, and ensuring increased yields throughout both the growth and storage stages.

Additionally, insecticides also play a crucial role in protecting pulses and oilseeds from insects like aphids and beetles, which helps to minimise crop damage, improve yield quality, and lower the risk of contamination during both the growth period and post-harvest storage.

Leading Companies in the Vietnam Insecticide Market

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Key players in the Vietnam insecticide market focused on producing sustainable and organic insecticides to gain a competitive advantage and improve market prospects. The increasing demand for organic and chemical-free insecticides, fuelled by consumer inclination towards safer and environmentally sustainable options is encouraging manufacturers to practice sustainable farming practices. In response, manufacturers are innovating to create sustainable products that safeguard crops while reducing health and ecological hazards.

Syngenta Crop Protection AG

Syngenta Crop Protection AG, established in 2000 and headquartered in Basel, Switzerland, stands as a prominent global supplier of crop protection solutions. The organisation emphasises the development of innovative insecticides, herbicides, and fungicides aimed at improving agricultural productivity and promoting sustainability on a worldwide scale.

UPL Ltd.

UPL Ltd., founded in 1969 and headquartered in Mumbai, India, serves as a worldwide provider of agricultural solutions. The firm offers an extensive array of crop protection products, such as herbicides, insecticides, and fungicides, with the objective of fostering sustainable farming practices and enhancing food security.

Wynca Group

Wynca Group was established in 1998 and is headquartered in Xinxiang, China. The company specialises in the production of agrochemicals and provides a variety of products, including herbicides, fungicides, and insecticides. It also plays a significant role in the global agricultural chemicals sector, prioritising the quality of its offerings.

Sumitomo Chemical Co. Ltd.

Sumitomo Chemical Co. Ltd., founded in 1913 and headquartered in Tokyo, Japan, is a leading global chemical enterprise. Its agricultural division is dedicated to the production of crop protection products, including insecticides, herbicides, and fungicides, with a strong emphasis on sustainable agricultural practices and innovation to boost crop productivity.

Other major players in the Vietnam insecticide market are BASF SE, Bayer AG, and Corteva Agriscience among others.

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