

Global Zooid Pesticide Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G6E4CEB2DD29EN.html>

Date: April 2026

Pages: 155

Price: US\$ 4,480.00 (Single User License)

ID: G6E4CEB2DD29EN

Abstracts

The global Zooid Pesticide market size is expected to reach \$ 1843 million by 2032, rising at a market growth of 7.0% CAGR during the forecast period (2026-2032).

Global sales of zooid pesticides reached 131,000 tons in 2025, with an average price of US\$8,523 per ton.

Zooid Pesticide is naturally occurring chemicals (insect toxins) extracted or derived from plants or minerals. They are also called natural insecticides. Organic gardeners will choose these insecticides, in some cases, over synthetic organic materials.

The supply of raw materials for zooid pesticides exhibits significant natural dependence and seasonality, and their cost structure varies greatly depending on the product type. For microbial pesticides (such as *Bacillus thuringiensis*), raw material costs account for 30%-40% of the total cost. The main raw materials are agricultural byproducts such as soybean flour, corn flour, and molasses. In recent years, the use of organic waste such as animal hair, biogas slurry, and urban sludge to replace traditional raw materials has reduced production costs by more than 50%, while simultaneously achieving resource utilization of waste. For plant-derived pesticides (such as azadirachtin and pyrethroids), raw material costs account for as much as 50%-60%, significantly affected by climate, planting area, and extraction rate (pyrethroids have an extraction rate of only 0.8%-1.3%). Global annual pyrethroid production is only 8,000 tons, while demand exceeds 21,000 tons, and this supply-demand gap drives up raw material prices. For animal-derived pesticides (such as natural enemy insects and pheromones), raw material costs account for 40%-50%. Producing 1 million *Trichogramma* wasps takes 10-12 days and costs as much as 20-40 euros, with 60% coming from host egg cultivation. In terms of processing costs, microbial pesticide fermentation accounts for

20%-30% of energy consumption, while plant-derived pesticide extraction (supercritical CO₂ extraction, steam distillation) accounts for 25%-35%. Notably, solid-state fermentation (SSF) technology can reduce energy consumption in abamectin production by 62%, wastewater discharge by 90%, and overall costs by 8.38%. Quality control and testing costs account for 10%-15%, requiring assurance of active ingredient content (such as Bt crystal protein and azadirachtin) and microbial safety. Overall, veterinary insecticides belong to the mid-to-high-priced category of pesticides, heavily constrained by raw materials and significantly driven by policy. Their cost structure is influenced by multiple factors, including the level of agricultural waste utilization, extraction process efficiency, and organic agriculture policy subsidies.

This report studies the global Zoid Pesticide production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Zoid Pesticide and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Zoid Pesticide that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Zoid Pesticide total production and demand, 2021-2032, (Kilotons)

Global Zoid Pesticide total production value, 2021-2032, (USD Million)

Global Zoid Pesticide production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Zoid Pesticide consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Zoid Pesticide domestic production, consumption, key domestic manufacturers and share

Global Zoid Pesticide production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Zoid Pesticide production by Type, production, value, CAGR, 2021-2032, (USD

Million) & (Kilotons)

Global Zooid Pesticide production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Zooid Pesticide market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bayer, Sinochem, BASF, Corteva Agriscience, FMC, Nufarm, UPL, Mitsui Chemicals, Sumitomo Chemical, Valent BioSciences, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Zooid Pesticide market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Zooid Pesticide Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Zoid Pesticide Market, Segmentation by Type:

Animal Toxin

Insect Hormone

Pheromone

Others

Global Zoid Pesticide Market, Segmentation by Method of Action:

Stomach Poison

Contact Agent

Fumigant

Antifeedant

Other

Global Zoid Pesticide Market, Segmentation by Source:

Microbial Source

Plant Source

Animal Source

Other

Global Zoid Pesticide Market, Segmentation by Application:

Agriculture

Forestry

Others

Companies Profiled:

Bayer

Sinochem

BASF

Corteva Agriscience

FMC

Nufarm

UPL

Mitsui Chemicals

Sumitomo Chemical

Valent BioSciences

Certis USA

Syngenta

Koppert

Chengdu Newsun Crop Science

Jiangsu Luye Agrochemical

Zhejiang Qianjiang Biochemical

Jiangsu Yangnong Chemical

Zhejiang Xinan Chemical

Jiangsu Lanfeng Bio-chemical

Key Questions Answered:

1. How big is the global Zooid Pesticide market?
2. What is the demand of the global Zooid Pesticide market?
3. What is the year over year growth of the global Zooid Pesticide market?
4. What is the production and production value of the global Zooid Pesticide market?
5. Who are the key producers in the global Zooid Pesticide market?
6. What are the growth factors driving the market demand?

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