

# Biological Molluscicides Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Metaldehyde, Methiocarb, Ferrous Phosphate, Other Types), By Form (Pellet, Liquids, Gels), By Application

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## Abstracts

The Biological Molluscicides Market is valued at USD 8.6 billion in 2025 and is projected to grow at a CAGR of 9.3% to reach USD 19.2 billion by 2034. The biological molluscicides market has experienced steady growth as farmers and gardeners seek sustainable alternatives to chemical-based pest control methods. Biological molluscicides are derived from naturally occurring compounds or microorganisms that specifically target mollusks such as slugs and snails. Unlike chemical pesticides, these products offer an eco-friendly approach, minimizing risks to beneficial insects, pollinators, and the broader environment. With rising environmental awareness, stringent pesticide regulations, and increasing demand for organic agricultural products, biological molluscicides have become an integral component of integrated pest management (IPM) strategies. Technological advancements and ongoing research have significantly expanded the range and effectiveness of biological molluscicides. Improved formulations, better understanding of mollusk biology, and enhanced delivery mechanisms have led to more efficient and reliable products. The integration of biological molluscicides with other pest control measures—such as crop rotation, habitat management, and natural predators—has further strengthened their role in sustainable agriculture. As a result, these products are now widely used in organic farming, high-value crops, and home gardening, providing effective mollusk control while maintaining soil health and biodiversity. Regionally, Europe dominates the biological molluscicides market due to its strong emphasis on organic farming, strict pesticide regulations, and growing consumer preference for eco-friendly produce. North America is also a significant market, supported by increasing adoption of sustainable agriculture practices and the popularity of home gardening. Meanwhile, the Asia-Pacific region is emerging

as a growth area, driven by expanding agricultural production, rising awareness of environmental issues, and supportive government policies promoting organic and sustainable farming. With continued innovation, regulatory support, and the growing importance of environmentally conscious farming, the biological molluscicides market is poised for sustained growth.

## Key Insights Biological Molluscicides Market

Development of more potent and long-lasting biological molluscicide formulations.

Increased integration of biological molluscicides with IPM strategies for comprehensive pest control.

Growing use of biological molluscicides in organic farming and specialty crops to meet consumer demand for sustainable produce.

Rising consumer demand for organic and chemical-free agricultural products.

Stringent regulations limiting the use of conventional chemical molluscicides.

Advancements in microbial and natural compound-based molluscicide technologies.

Higher production and formulation costs compared to traditional chemical molluscicides.

Limited awareness and adoption of biological molluscicides in certain regions.

Need for consistent product efficacy under varying environmental and field conditions.

## Biological Molluscicides Market Segmentation

### By Type

Metaldehyde

Methiocarb

Ferrous Phosphate

Other Types

#### By Form

Pellet

Liquids

Gels

#### By Application

Field Crops

Horticultural Crops

Turf And Ornamentals

Industrial

Other Applications

#### Key Companies Analysed

BASF SE

Bayer AG

Syngenta AG

Bayer CropScience Ltd

Lonza Group AG

UPL Limited

Adama Ltd.

Nufarm Limited

Arxada AG

PI Industries Ltd.

Solenis LLC

Amvac Chemical Corporation

De Sangosse Ltd

Westland Horticulture Ltd

Koppert Biological Systems India Private Limited

Zagro

Certis UK

Liphatech Inc.

Marrone Bio Innovations Inc.

W. Neudoff GmbH KG

Vestaron Corporation

DBA DoMyOwn

Doff Portland Ltd

Bioworks Inc.

Ensystem Inc.

Pro Farm Group Inc.

Phyteurop

Sinochem Crop Protection (phil.) Inc.

Veterinary & Agricultural Product Manufacturing Co. Ltd.(VAPCO)

Industrialchimica S.r.l.

## Biological Molluscicides Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

## Biological Molluscicides Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

## Countries Covered

North America — Biological Molluscicides market data and outlook to 2034

United States

Canada

Mexico

Europe — Biological Molluscicides market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Biological Molluscicides market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Biological Molluscicides market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Biological Molluscicides market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Biological Molluscicides value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling

*Biological Molluscicides Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Metaldehyde, Met...*

techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

### Key Questions Addressed

What is the current and forecast market size of the Biological Molluscicides industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

### Your Key Takeaways from the Biological Molluscicides Market Report

Global Biological Molluscicides market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Biological Molluscicides trade, costs, and supply chains

Biological Molluscicides market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Biological Molluscicides market size, CAGR, and market share of key products,

applications, and end-user verticals, 2023-2034

Short- and long-term Biological Molluscicides market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Biological Molluscicides supply chain analysis

Biological Molluscicides trade analysis, Biological Molluscicides market price analysis, and Biological Molluscicides supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Biological Molluscicides market news and developments

#### Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

## Contents

### 1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

### 2. GLOBAL BIOLOGICAL MOLLUSCICIDES MARKET SUMMARY, 2025

- 2.1 Biological Molluscicides Industry Overview
  - 2.1.1 Global Biological Molluscicides Market Revenues (In US\$ billion)
- 2.2 Biological Molluscicides Market Scope
- 2.3 Research Methodology

### 3. BIOLOGICAL MOLLUSCICIDES MARKET INSIGHTS, 2024-2034

- 3.1 Biological Molluscicides Market Drivers
- 3.2 Biological Molluscicides Market Restraints
- 3.3 Biological Molluscicides Market Opportunities
- 3.4 Biological Molluscicides Market Challenges
- 3.5 Tariff Impact on Global Biological Molluscicides Supply Chain Patterns

### 4. BIOLOGICAL MOLLUSCICIDES MARKET ANALYTICS

- 4.1 Biological Molluscicides Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Biological Molluscicides Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Biological Molluscicides Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Biological Molluscicides Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Biological Molluscicides Market
  - 4.5.1 Biological Molluscicides Industry Attractiveness Index, 2025
  - 4.5.2 Biological Molluscicides Supplier Intelligence
  - 4.5.3 Biological Molluscicides Buyer Intelligence
  - 4.5.4 Biological Molluscicides Competition Intelligence
  - 4.5.5 Biological Molluscicides Product Alternatives and Substitutes Intelligence
  - 4.5.6 Biological Molluscicides Market Entry Intelligence

### 5. GLOBAL BIOLOGICAL MOLLUSCICIDES MARKET STATISTICS – INDUSTRY

## **REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034**

5.1 World Biological Molluscicides Market Size, Potential and Growth Outlook, 2024-2034 (\$ billion)

5.1 Global Biological Molluscicides Sales Outlook and CAGR Growth By Type, 2024-2034 (\$ billion)

5.2 Global Biological Molluscicides Sales Outlook and CAGR Growth By Form, 2024-2034 (\$ billion)

5.3 Global Biological Molluscicides Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)

5.4 Global Biological Molluscicides Market Sales Outlook and Growth by Region, 2024-2034 (\$ billion)

## **6. ASIA PACIFIC BIOLOGICAL MOLLUSCIDES INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK**

6.1 Asia Pacific Biological Molluscicides Market Insights, 2025

6.2 Asia Pacific Biological Molluscicides Market Revenue Forecast By Type, 2024- 2034 (USD billion)

6.3 Asia Pacific Biological Molluscicides Market Revenue Forecast By Form, 2024-2034 (USD billion)

6.4 Asia Pacific Biological Molluscicides Market Revenue Forecast By Application, 2024- 2034 (USD billion)

6.5 Asia Pacific Biological Molluscicides Market Revenue Forecast by Country, 2024-2034 (USD billion)

6.5.1 China Biological Molluscicides Market Size, Opportunities, Growth 2024- 2034

6.5.2 India Biological Molluscicides Market Size, Opportunities, Growth 2024- 2034

6.5.3 Japan Biological Molluscicides Market Size, Opportunities, Growth 2024- 2034

6.5.4 Australia Biological Molluscicides Market Size, Opportunities, Growth 2024- 2034

## **7. EUROPE BIOLOGICAL MOLLUSCIDES MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034**

7.1 Europe Biological Molluscicides Market Key Findings, 2025

7.2 Europe Biological Molluscicides Market Size and Percentage Breakdown By Type, 2024- 2034 (USD billion)

7.3 Europe Biological Molluscicides Market Size and Percentage Breakdown By Form, 2024- 2034 (USD billion)

7.4 Europe Biological Molluscicides Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)

7.5 Europe Biological Molluscicides Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.5.1 Germany Biological Molluscicides Market Size, Trends, Growth Outlook to 2034

7.5.2 United Kingdom Biological Molluscicides Market Size, Trends, Growth Outlook to 2034

7.5.2 France Biological Molluscicides Market Size, Trends, Growth Outlook to 2034

7.5.2 Italy Biological Molluscicides Market Size, Trends, Growth Outlook to 2034

7.5.2 Spain Biological Molluscicides Market Size, Trends, Growth Outlook to 2034

## **8. NORTH AMERICA BIOLOGICAL MOLLUSCIDES MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034**

8.1 North America Snapshot, 2025

8.2 North America Biological Molluscicides Market Analysis and Outlook By Type, 2024- 2034 (\$ billion)

8.3 North America Biological Molluscicides Market Analysis and Outlook By Form, 2024- 2034 (\$ billion)

8.4 North America Biological Molluscicides Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.5 North America Biological Molluscicides Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.5.1 United States Biological Molluscicides Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Canada Biological Molluscicides Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Mexico Biological Molluscicides Market Size, Share, Growth Trends and Forecast, 2024- 2034

## **9. SOUTH AND CENTRAL AMERICA BIOLOGICAL MOLLUSCIDES MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS**

9.1 Latin America Biological Molluscicides Market Data, 2025

9.2 Latin America Biological Molluscicides Market Future By Type, 2024- 2034 (\$ billion)

9.3 Latin America Biological Molluscicides Market Future By Form, 2024- 2034 (\$ billion)

9.4 Latin America Biological Molluscicides Market Future By Application, 2024- 2034 (\$ billion)

9.5 Latin America Biological Molluscicides Market Future by Country, 2024- 2034 (\$ billion)

9.5.1 Brazil Biological Molluscicides Market Size, Share and Opportunities to 2034

9.5.2 Argentina Biological Molluscicides Market Size, Share and Opportunities to 2034

## **10. MIDDLE EAST AFRICA BIOLOGICAL MOLLUSCIDES MARKET OUTLOOK AND GROWTH PROSPECTS**

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Biological Molluscicides Market Statistics By Type, 2024- 2034 (USD billion)

10.3 Middle East Africa Biological Molluscicides Market Statistics By Form, 2024- 2034 (USD billion)

10.4 Middle East Africa Biological Molluscicides Market Statistics By Application, 2024- 2034 (USD billion)

10.5 Middle East Africa Biological Molluscicides Market Statistics by Country, 2024- 2034 (USD billion)

10.5.1 Middle East Biological Molluscicides Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Biological Molluscicides Market Value, Trends, Growth Forecasts to 2034

## **11. BIOLOGICAL MOLLUSCIDES MARKET STRUCTURE AND COMPETITIVE LANDSCAPE**

11.1 Key Companies in Biological Molluscicides Industry

11.2 Biological Molluscicides Business Overview

11.3 Biological Molluscicides Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

## **12 APPENDIX**

12.1 Global Biological Molluscicides Market Volume (Tons)

12.1 Global Biological Molluscicides Trade and Price Analysis

12.2 Biological Molluscicides Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Biological Molluscicides Industry Report Sources and Methodology

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