

Global Vector Control Market Size Study, by Technology (Chemical, Physical & Mechanical, Biological), by Control Method (Comprehensive, Integrated Vector Management, Targeted), by Vector Type (Insects, Rodents), by End Use (Residential, Commercial, Agricultural, Others) and Regional Forecasts 2022-2032

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Abstracts

The global vector control market is valued at approximately USD 19.88 billion in 2023 and is projected to grow at a compound annual growth rate (CAGR) of 6.2% during the forecast period from 2024 to 2032. Vector control refers to the methods and measures employed to control populations of disease-carrying organisms, such as mosquitoes and rodents, to prevent the spread of various infectious diseases, including malaria, dengue fever, and the Zika virus. The advancement in vector control technologies, combined with increasing awareness about disease outbreaks and rising health concerns, is driving substantial market growth. This market encompasses a broad range of technologies and approaches, such as chemical, physical, mechanical, and biological methods, each with distinct applications and effectiveness.

The growth in the vector control market is being fueled by various factors, including the rising incidence of vector-borne diseases globally. Malaria alone remains one of the deadliest diseases worldwide, with millions affected annually, thus driving the demand for more efficient control measures. Additionally, the widespread impact of diseases like dengue fever and chikungunya has sparked governments and healthcare organizations to prioritize funding and implementation of advanced vector control strategies. Innovative biological control methods, such as the release of genetically modified organisms (GMOs) and sterilized insects, are gaining significant traction for their

environmentally sustainable approach to curbing vector populations. These technologies present new opportunities for stakeholders in the market, alongside traditional chemical-based interventions, which continue to dominate in many regions.

However, despite the promising growth prospects, challenges related to the environmental and health impacts of chemical control methods remain a concern. The misuse of chemical pesticides, for instance, can lead to resistance among vector populations, making control efforts less effective. This is pushing the industry to focus more on integrated vector management (IVM) approaches, which combine multiple control methods to increase the overall efficacy and sustainability of interventions. IVM is a growing trend, and it is particularly relevant in settings with a high burden of vector-borne diseases, where comprehensive strategies are necessary to break the transmission cycle effectively. The complexity of these strategies is expected to drive further investments in research and development, which will contribute to the continued innovation in vector control technologies.

Regionally, the market for vector control is experiencing rapid growth across both developing and developed regions, each facing distinct challenges related to vector-borne diseases. North America and Europe, for instance, have seen increased investments in vector control technologies as part of broader public health strategies. The prevalence of tick-borne diseases such as Lyme disease in these regions has emphasized the need for more robust vector control measures. Meanwhile, the Asia Pacific (APAC) region is poised to experience the fastest growth in the forecast period due to the high incidence of diseases such as malaria, dengue, and Zika, particularly in tropical and subtropical regions. Governments in APAC countries are increasingly recognizing the importance of effective vector control programs, which is likely to drive market growth throughout the decade.

Major market players included in this report are:

BASF SE

Syngenta AG

Bayer AG

Mosquito Control Services

Sumitomo Chemical Co., Ltd.

Eliminate Dengue

Oxitec Ltd

Biotech International Ltd

Clarke Mosquito Control

AgBiTech Pty Ltd

DeLaval Inc.

Valent BioSciences LLC

Verily Life Sciences

Insectory Solutions

In2Care

The detailed segments and sub-segments of the market are explained below:

By Technology:

Chemical

Physical & Mechanical

Biological

By Control Method:

Comprehensive

Integrated Vector Management

Targeted

By Vector Type:

Insects

Rodents

By End Use:

Residential

Commercial

Agricultural

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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