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Molluscicides Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Chemical and Biological), By Form (Pellets, Powder, Liquids and Gels), By Application (Agricultural and Non-Agricultural), By Region and Competition, 2020-2030F

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Abstracts

Global Molluscicides Market was valued at USD 957.26 Million in 2024 and is expected to reach USD 1547.36 Million by 2030 with a CAGR of 8.33% during the forecast period. Molluscicides are chemical agents specifically formulated for the control and eradication of mollusks, such as snails and slugs. They encompass substances like metaldehyde, iron phosphate, methiocarb, sodium chloride, copper sulfate, and copper hydroxides. By targeting the nervous and digestive systems of mollusks, they induce paralysis and eventual mortality. Molluscicides find wide-ranging applications in the agricultural sector, including farming, gardening, horticulture, agricultural research, and pest control. These agents effectively reduce mollusk populations and mitigate their adverse effects on crops, gardens, and structures.

The market growth is being propelled by the implementation of supportive government policies aimed at educating farmers and promoting the adoption of pest control solutions, including molluscicides. These initiatives are crucial in addressing agricultural challenges, enhancing food security, and boosting productivity. Moreover, the aquaculture industry extensively employs molluscicides to ensure the healthy development of farmed species and control mollusk populations in lakes, ponds, and other aquaculture facilities, thereby contributing to market expansion. Furthermore, the adoption of molluscicides in integrated pest management (IPM) practices, which offer a holistic and sustainable approach to pest control, is driving market growth. Other factors

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such as the increasing incidence of plant diseases, growing demand for natural and environmentally-friendly molluscicides, and rising concerns regarding food safety and quality are expected to further propel market growth.

Key Market Drivers

Increasing Incidences of Plant Diseases

The rising incidences of plant diseases across the globe are expected to significantly fuel the demand for molluscicides. Mollusks, such as snails and slugs, can serve as carriers of various plant pathogens, which in turn can lead to the widespread occurrence of plant diseases. These diseases have the potential to devastate crops and pose a significant threat to global food security. The impact of these plant diseases goes beyond just reducing the yield and quality of crops. They also result in increased costs associated with crop management, creating an economic burden for farmers. In this context, molluscicides, with their specific action against mollusks, are seen as a potent tool in the fight against plant diseases. By effectively controlling the mollusk population, molluscicides can help mitigate the risk of disease transmission to crops.

This becomes especially crucial in the face of changing climatic conditions, which often favor the proliferation of mollusks and subsequently increase the potential for disease spread. The need for effective control measures is further underscored by the anticipated growth of the global molluscicides market. Moreover, awareness campaigns initiated by government bodies and agricultural institutions worldwide play a vital role in emphasizing the importance of pest control for disease prevention and improved crop yield. These campaigns are expected to contribute to the increasing demand for molluscicides in the years to come, as they highlight the significance of implementing proactive measures to safeguard crops and enhance agricultural productivity.

Key Market Challenges

Regulatory Restrictions on The Use of Molluscicide Products

Snails and slugs are notorious for causing significant agricultural damage. As a result, farmers employ a range of control measures to combat these pesky creatures. While chemical control solutions are available, they are considered a last resort if other procedures prove to be insufficient. This is due to the high toxicity and disastrous consequences that hazardous pesticides can have on the ecosystem when they infiltrate food systems. For instance, the European Union (EU) has imposed restrictions

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on the usage of methiocarb slug pellets due to the risks they pose to grain-eating agricultural birds such as sparrows and finches. These restrictions are in place to protect the delicate balance of the ecosystem and ensure the well-being of these avian species.

Another principal slug pellet product utilized is metaldehyde, which is considered an emerging contaminant. It is increasingly being detected in watercourses, often surpassing the EU statutory drinking water limit of 0.1 ?g L?? for pesticides. This raises concerns about the potential impact on water quality and the need for stricter regulations to prevent contamination. As farmers strive to find effective and environmentally friendly solutions to combat snails and slugs, the careful consideration of control measures becomes crucial. Balancing the need for pest management with the preservation of the ecosystem is paramount in ensuring sustainable agriculture practices.

Key Market Trends

Widespread Product Application in The Aquaculture Industry

The rising demand for molluscicides in the aquaculture industry is poised to significantly fuel the global molluscicide market. This surge in demand is largely attributable to the extensive application of these agents in promoting the healthy development of farmed species and controlling the mollusk population in aquaculture facilities such as lakes and ponds. Mollusks often pose a great threat to these facilities, as they cause substantial damage to aquatic organisms and infrastructure. The use of molluscicides helps to effectively mitigate these risks, ensuring the welfare of the farmed species and optimizing the productivity of the facilities. Moreover, the growing global emphasis on sustainable aquaculture, coupled with the increasing demand for high-quality seafood products, is further propelling the use of molluscicides in the industry. These trends are bolstered by the continuous advancements in molluscicide formulations, ensuring effective control with minimal impact on non-target species and the environment. All these factors are collectively fostering the integration of molluscicides in the aquaculture sector, thereby boosting the global demand for these products.

Key Market Players

Bayer AG

BASF SE

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Lonza Group AG

American Vanguard Corporation

Adama Agricultural Solutions Ltd

Syngenta Group

UPL Limited

Marrone Bio Innovations Inc.

PI Industries Ltd.

De Sangosse SAS

Report Scope:

In this report, the Global Molluscicides Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

· Molluscicides Market, By Type:

Chemical

Biological

· Molluscicides Market, By Form:

Pellets

Powder

Liquids

Gels

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· Molluscicides Market, By Application:

Agricultural

Non-Agricultural

· Molluscicides Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

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Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Molluscicides Market.

Available Customizations:

Global Molluscicides market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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