

Agricultural Bactericides Market – Global Industry Size, Share, Trends, Opportunity, & Forecast Segmented By Type (Dithiocarbamate, Copper-based, Amide), By Application (Foliar Spray, Soil Treatment), By Crop Type (Oilseeds & Pulses, Cereals & Grains, Fruits & Vegetables), By Region and Competition, 2020-2030F

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Abstracts

Global Agricultural Bactericides Market was valued at USD 9.87 billion in 2024 and is expected to reach USD 12.84 billion by 2030 with a CAGR of 4.48% during the forecast period. The Global Agricultural Bactericides Market is a dynamic and essential sector within the broader agricultural inputs industry. Bactericides, also known as antibacterial agents or antibacterials, play a crucial role in protecting crops from bacterial diseases that can severely impact yield, quality, and overall agricultural productivity. The market is characterized by a range of products, applications, and regional dynamics that collectively contribute to its growth and evolution.

According to European Union Stats, in 2021, 355 175 tonnes of pesticides were sold in the EU. This was a moderate increase of 2.7% compared with 2020 (346 000 tonnes) and represented a further rebound back towards the medium-term annual average between 2011 and 2021.

Key Market Drivers

Rising Global Population and Food Demand

The burgeoning global population, coupled with a parallel increase in food demand,

constitutes a pivotal driver for the growth of the Global Agricultural Bactericides Market. As the world's population continues to expand, surpassing 7.9 billion as of the last available data, the need for a sustainable and intensified agricultural system becomes imperative to meet the escalating demand for food, feed, and fiber. The exponential growth in global population directly translates into a heightened requirement for agricultural outputs. Crop yields must increase proportionally to ensure food security and prevent food shortages. However, the intensification of agricultural practices to meet these demands brings with it a higher susceptibility of crops to various diseases, including bacterial infections. Bacterial diseases, such as bacterial blight and wilt, can cause significant crop losses if not effectively managed. In this context, the utilization of agricultural bactericides becomes crucial. Bactericides play a pivotal role in protecting crops from bacterial infections, thereby ensuring a steady and secure food supply. By curbing the prevalence of bacterial diseases, these chemical agents contribute to maintaining crop health, maximizing yields, and sustaining the global food production chain.

Key Market Challenges

Resistance Development in Bacterial Strains

One of the foremost challenges faced by the Global Agricultural Bactericides Market is the development of resistance in bacterial strains. Over time, bacteria can adapt to the bactericides used, rendering them less effective. This phenomenon not only diminishes the efficacy of existing products but also necessitates the continuous development of new formulations, contributing to increased research and development costs for manufacturers.

The emergence of resistant bacterial strains poses a direct threat to the sustainability of bactericides as a reliable solution for disease management in agriculture. It compels the industry to invest significantly in the innovation of novel compounds and modes of action to stay ahead of evolving resistance patterns.

Key Market Trends

Rise of Bio-Based and Sustainable Solutions

A significant trend shaping the Agricultural Bactericides Market is the increasing demand for bio-based and sustainable solutions. With a growing emphasis on environmentally friendly agricultural practices, there is a shift towards bactericides

derived from natural sources or those with reduced ecological impact. This trend aligns with broader consumer and regulatory expectations for sustainable and responsible agriculture.

Manufacturers are investing in research and development to formulate bactericides that leverage bio-based active ingredients, minimizing environmental risks. The market is witnessing the introduction of products with improved biodegradability, lower toxicity, and compatibility with integrated pest management (IPM) practices. This trend not only addresses environmental concerns but also responds to the preference of consumers for sustainable and organic produce.

Key Market Players

Bayer CropScience AG

Syngenta AG

BASF SE

Nufarm Limited

Biostadt India Limited

FMC Corporation

ADAMA Agricultural Solutions Ltd.

P.I. Industries

Aries Agro Ltd.

Sumitomo Chemicals Company

Report Scope:

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

Agricultural Bactericides Market, By Type:

Dithiocarbamate

Copper-based

Amide

Agricultural Bactericides Market, By Application:

Foliar Spray

Soil Treatment

Agricultural Bactericides Market, By Crop Type:

Oilseeds & Pulses

Cereals & Grains

Fruits & Vegetables

Agricultural Bactericides Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

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 Agricultural Bactericides Market.

Available Customizations:

Global Agricultural Bactericides 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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