

Global Copper Fungicides Market Report and Forecast 2024-2032

Market Report | 2024-07-18 | 174 pages | EMR Inc.

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Report description:

Global Copper Fungicides Market Report and Forecast 2024-2032

Market Outlook

According to the report by Expert Market Research (EMR), the global copper fungicides market size reached approximately USD 385.11 million in 2023. Aided by the rising demand for sustainable agricultural practices, the market is projected to grow at a CAGR of 5.8% between 2024 and 2032, reaching a value of nearly USD 639.98 million by 2032.

Copper fungicides are a class of fungicidal compounds that use copper as the active ingredient to control a wide range of fungal and bacterial plant diseases. They are widely used in agriculture, horticulture, and home gardening to protect crops and plants from various pathogens. Copper fungicides are valued for their broad-spectrum activity and relatively low toxicity to humans and animals.

The global copper fungicides market is witnessing significant growth, driven by increasing demand for sustainable agricultural practices, advancements in fungicide formulations, and rising awareness about the benefits of copper-based products in crop protection.

One of the primary drivers of the global copper fungicides market growth is the rising demand for sustainable agricultural practices. As the global population continues to grow, the need for increased agricultural productivity and sustainable farming methods becomes more pressing. Copper fungicides, known for their effectiveness in controlling a wide range of fungal diseases while being relatively environmentally friendly, are increasingly preferred by farmers. These fungicides help reduce the reliance on synthetic chemicals, promoting sustainable crop protection practices that are crucial for long-term agricultural sustainability. Technological advancements and innovations in fungicide formulations are significantly contributing to the global copper fungicides market expansion. Modern copper fungicides are formulated to enhance their efficacy, reduce environmental impact, and improve ease of application. Innovations such as micronised and nano-sized copper particles ensure better coverage and adhesion to plant surfaces, providing prolonged protection against fungal infections. Additionally, new formulations are designed to be more rainfast, reducing the need for frequent applications and thereby lowering the overall usage of fungicides. These advancements not only improve the performance of copper fungicides but also align with the growing emphasis on precision agriculture.

The benefits of copper fungicides in crop protection are becoming increasingly recognised by farmers and agricultural

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professionals, which is expected to boost the global copper fungicides market development. Copper fungicides are known for their broad-spectrum activity against various fungal pathogens, including downy mildew, powdery mildew, and bacterial blights. They are also valued for their residual activity, providing long-lasting protection to crops. Moreover, copper is an essential micronutrient for plant growth, contributing to overall plant health and resilience. The dual role of copper fungicides in disease control and nutrient supplementation enhances their appeal, driving their adoption in various agricultural systems.

The global trend towards organic farming is positively impacting the copper fungicides market. Organic farming practices emphasise the use of natural and environmentally friendly inputs for crop protection and nutrition. Copper fungicides, approved for use in organic agriculture, play a vital role in managing fungal diseases in organic crops. Their effectiveness and compliance with organic farming standards make them indispensable tools for organic farmers. As consumer demand for organic products continues to rise, the use of copper fungicides in organic farming is expected to grow, further driving the market.

The expansion of horticultural and speciality crops, such as fruits, vegetables, and ornamentals, is another factor contributing to the global copper fungicides market expansion. These high-value crops are particularly susceptible to fungal diseases, which can significantly impact yield and quality. Copper fungicides are extensively used in horticulture to protect these crops from a range of fungal and bacterial pathogens. The increasing cultivation of horticultural crops, driven by rising consumer demand for fresh produce and ornamental plants, is boosting the demand for effective crop protection solutions, including copper fungicides.

Regulatory support and guidelines play a crucial role in shaping the copper fungicides market dynamics. Various regulatory bodies across the world have established guidelines and standards for the safe use of copper fungicides in agriculture. These regulations ensure that copper fungicides are used in a manner that is safe for human health and the environment. Compliance with these regulations enhances the credibility and acceptance of copper fungicides among farmers and agricultural stakeholders.

Additionally, government initiatives promoting sustainable agriculture and integrated pest management (IPM) practices support the use of copper fungicides as part of comprehensive crop protection strategies.

Despite the positive trends, the copper fungicides market development faces challenges related to environmental concerns and regulatory restrictions. Excessive use of copper fungicides can lead to the accumulation of copper in the soil, potentially causing soil toxicity and negative impacts on soil microorganisms. Regulatory authorities are increasingly scrutinising the environmental impact of copper fungicides, leading to restrictions on their usage in some regions. To address these concerns, manufacturers are focusing on developing more efficient formulations that require lower application rates and exploring alternative solutions that complement the use of copper fungicides in integrated pest management programmes.

Market Segmentation

The global copper fungicides market can be divided based on chemistry, application, and region.

Market Breakup by Chemistry

- Copper Oxychloride
- Copper Hydroxide
- Cuprous Oxide
- Copper Sulphate
- Others

Market Breakup by Application

- Fruits and Vegetables
- Cereals and Grains
- Oilseeds and Pulses
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Competitive Landscape

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The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global copper fungicides market. Some of the major players explored in the report by Expert Market Research are as follows:

- Bayer AG
- Corteva Agriscience
- Nufarm Ltd.
- ADAMA Agricultural Solutions Ltd.
- UPL Ltd.
- Certis USA L.L.C
- Gowan Company, L.L.C.
- Cosaco GmbH
- Cinkarna Celje, d. d.
- MAT Holding Group (IQV)
- Others

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