

Global Bioherbicides Market Size Study, By Application (Grains & Cereals, Oil Seeds, Fruits & Vegetables, Turf & Ornamental Grass) and Regional Forecasts 2022-2032

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Abstracts

The global bioherbicides market was valued at approximately USD 2.93 billion in 2023 and is projected to expand at a CAGR of 15.2% from 2024 to 2032. Increasing regulatory restrictions on synthetic herbicides and a growing emphasis on sustainable agricultural practices are key factors driving the adoption of bioherbicides worldwide. Farmers and agricultural enterprises are increasingly shifting towards biological weed control solutions that offer environmental and health benefits over traditional chemical herbicides.

The market growth is being propelled by the expanding organic farming industry and the growing adoption of integrated pest management (IPM) systems. Bioherbicides, derived from natural organisms and substances, are becoming crucial in IPM strategies due to their ability to suppress weeds without harming soil quality, beneficial insects, and biodiversity. Additionally, advancements in microbial-based bioherbicides, incorporating bacteria, fungi, and plant-based compounds, have enhanced the efficacy and shelf-life of these products, increasing their attractiveness among farmers and commercial growers.

Stringent government regulations against chemical herbicides, particularly in North America and Europe, are significantly influencing market expansion. Various countries have introduced financial incentives, subsidies, and research grants to promote bio-based agricultural products, thus fueling innovations and product development in the bioherbicides segment. The rise of precision agriculture and biotechnology-driven weed control strategies are further contributing to increased market penetration, particularly in

emerging economies where sustainable agriculture is gaining momentum.

Regionally, North America dominated the bioherbicides market in 2023, accounting for the largest revenue share. The U.S. Environmental Protection Agency (EPA) has implemented strict regulations limiting chemical herbicide usage, leading to increased investment in bio-based alternatives. Meanwhile, the Asia Pacific market is expected to register the highest growth rate during the forecast period due to rapid industrialization, growing environmental awareness, and rising demand for organic products in countries like India, China, and Japan.

Major Market Players Included in This Report Are:

Marrone Bio Innovations Inc.

Emery Oleochemicals

Deer Creek Holdings

Verdesian Life Sciences

Certified Organics Australia PTY Ltd

Ecopesticides International, Inc.

Special Biochem Pvt. Ltd

MycoLogic, Inc.

Hindustan Bio-Tech

Bioherbicides Australia PTY Ltd

Engage Agro USA

Bayer CropScience AG

Syngenta AG

Andermatt Biocontrol AG

Koppert Biological Systems

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

By Application:

Grains & Cereals

Oil Seeds

Fruits & Vegetables

Turf & Ornamental Grass

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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 approaches.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

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