

Bioherbicides Market, 2012 to 2023

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Abstracts

Global Bioherbicides Market:

Market Outline: Global Bioherbicides Market

Herbicide is a pesticide which is used to kill the unwanted plants. Bioherbicides are derived from microbes to prevent the growth of unnecessary plants of weed during the yield of crop. Bioherbicides are majorly derived from fungi, protozoa, bacteria, and phytotoxic extracts of plants. Bioherbicides have several advantages compared with synthetic herbicides. For instance, synthetic herbicides cause soil and water pollution and affect the human health through food consumption. Bioherbicides do not cause any harm to farmers during handling process. In addition, crops harvested by using bioherbicides are safe for consumption.

Market Dynamics: Bioherbicides Market

Increase in demand for organic products, need for higher product yield and quality with reduced chemical hazards, government initiations for the eco-friendly farming practices, and increase in awareness among the farmers about the bioherbicides are anticipated to propel the bioherbicides market over the forecast period. Moreover, due to synthetic herbicide tolerance on soybean and maize, stringent regulations posed by developed countries on importing such crops, leads to higher adoption of bioherbicides usage. In addition, advantages over the synthetic herbicides, low R&D costs, and easier residue management are expected to boost the bioherbicides market over the forecast timeframe. However, risk of secreted toxic metabolites by microbes, high cost of the bioherbicides, and lesser availability of products are expected to hinder the growth of bioherbicides market over the forecast period.

Market Scope: Bioherbicides Market

It is segmented on the basis of source, mode of application, and formulation

Based on the source, it is segmented into the following:

Microbials
Biochemical
Phytotoxic plant residues
Others

Based on the mode of application, it is segmented into the following:

Soil
Seed
Foliar
Post-harvest

Based on the crop type, it is segmented into the following:

Arable crops
Permanent crops
others

Based on the formulation, it is segmented into the following:

Liquid
Granular
Powder
Others

Market Summary: Bioherbicides Market

Bioherbicides market is growing at a significant CAGR owing to increase in the awareness about the benefits of bioherbicides over the synthetic herbicides among farming community. Increase in the R&D activities by small and big firms for the innovation of newer bioherbicides propels the bioherbicides market revenue. Diversification of business segments by registration of bioherbicides in the various markets is a key opportunity for the market players. In addition, government support for the smaller companies for the synthesis of bioherbicides might upsurge the revenue growth of the market. Moreover, acquisitions and mergers, collaborations, patent fillings and product launchings are the strategies followed by companies for dominating the global bioherbicides market. For instance, in May 2012, Marrone Bio innovations received U.S. Environmental Protection Agency approval for MBI-005, a broad-

spectrum bioherbicide used on variety of crops. In addition, in May 2014, Emery Oleochemicals received Canada's Health Pest Management regulatory Agency approval for Emerion 7005, a bioherbicide used in weed and crop management.

Regional Analysis: Bioherbicides Market

Geographically, Bioherbicides market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East and Africa. North America bioherbicides market growing at significant rate due to increase in awareness about organic farming, rise in adoption towards eco-friendly farming techniques, increase in the demand for healthy food products, and rise in government support for bioherbicides usage. Europe bioherbicides market accounted for significant share due to increase in the usage of bioherbicides, high-quality fruits and vegetable cultivation, and rise in R&D activities for innovation of newer bioherbicides in the Europe bioherbicides market. Moreover, Asia Pacific bioherbicides market exhibiting significant growth, which is attributed to increase in population depending on the farming majorly in India and China, rise in adoption of organic farming practices, and increase in the demand for high quality and quantity yields are expected to propel growth of the market over the forecast period.

Market Participants: Bioherbicides Market

Some of the players in bioherbicides market are Deer Creek Holdings (U.S.), Emery Oleochemicals (Malaysia), Marrone Bio Innovations Inc. (U.S.), Verdesian Life Sciences, LLC (U.S.), EcoPesticides International, Inc. (U.S.), Innovative Biologicals (Canada), MycoLogic Inc. (U.S.), Bioherbicides Australia Pty Ltd. (Australia), and Hindustan Bio-tech (India) to name a few.

Notable Market Developments: Bioherbicides Market

In April 2017, Premier Tech partnered with agriculture and Agri-Food Canada for the development and commercialization of bioherbicide formulated from an indigenous fungus (*Phoma macrostoma*)

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