

United Kingdom Biopesticides Market By Type (Bioinsecticides, Biofungicides, Bionematicides, Bioherbicides, Others), By Mode of Application (Seed Treatment, Soil Treatment, Foliar Spray, Others), By Region, By Competition, Forecast & Opportunities, 2020-2030F

Market Report | 2025-02-28 | 83 pages | TechSci Research

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Report description:

United Kingdom Biopesticides Market was valued at USD 136.09 Million in 2024 and is expected to reach USD 180.22 Million by 2030 with a CAGR of 4.75% during the forecast period. The biopesticides market in the United Kingdom is experiencing significant growth, propelled by increasing concerns over environmental sustainability, food safety, and the detrimental effects of synthetic pesticides. Biopesticides, derived from natural materials such as animals, plants, bacteria, and minerals, offer a viable and eco-friendly alternative their chemical to their chemical counterparts.

One key driver of the biopesticides market in the UK is the rising consumer preference for organically and sustainably farmed produce. With a growing awareness of the environmental and health impacts of synthetic pesticides, consumers are increasingly demanding more organic options. This shifting consumer demand is encouraging farmers to adopt biopesticides, which are perceived as safer and more environmentally friendly.

Furthermore, the commitment of the UK government to sustainable farming practices also plays a significant role in driving the growth of the biopesticides market. The Agricultural Transition Plan 2021-2024 outlines comprehensive strategies to reduce reliance on harmful chemicals in agriculture and promote environmentally friendly farming practices. This policy direction not only creates a favorable environment for the growth of the biopesticides market but also reflects the government's dedication to sustainable agriculture. The biopesticides market in the UK is poised for substantial growth in the coming years. Driven by consumer demand, government support, and scientific advancements, biopesticides are set to play a crucial role in shaping the future of sustainable agriculture in the country. With a continued focus on innovation and sustainability, the biopesticides market is expected to contribute significantly to a more environmentally friendly and resilient agricultural sector.

Key Market Drivers

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Growth in Demand for Organic Products

The biopesticides market in the United Kingdom is experiencing remarkable growth, driven primarily by the surging demand for organic products. As consumers become increasingly health-conscious and environmentally aware, there has been a significant preference for organically grown food, leading to a corresponding increase in the adoption of biopesticides in agriculture. In August 2023, Bionema Group Ltd., a leading UK-based developer of biocontrol technology, has launched a new range of biofertilizers in the UK for use across agriculture, horticulture, forestry, sport turf, and amenities. The new product line includes four biofertilizers, each containing living microbes that enhance plant nutrition by increasing nutrient availability in soils and substrates. The BioNFix range and Rhizosafe products feature microorganisms such as *Paenibacillus azotofixans* BNL1913, *Azospirillum lipoferum* BNL714, *Bradyrhizobium japonicum* BNL1061, and *Rhizophagus irregularis* BNL2414, all encapsulated using Bionema's innovative Incapsulex technology. This advanced platform ensures the safe and effective delivery of these naturally derived microorganisms directly to the target area.

Organic produce, cultivated without the use of synthetic pesticides and fertilizers, is gaining popularity as a healthier choice for consumers. Not only do organic farming practices promote better health, but they also demonstrate greater sustainability and have a reduced adverse impact on the environment. This aligns perfectly with the growing consumer consciousness

Key Market Challenges

High Cost of Biopesticides and Limited Awareness Among Farmers

One of the key challenges hindering the widespread adoption of biopesticides in the United Kingdom is their relatively high cost compared to conventional chemical pesticides. While biopesticides are generally considered to be safer and more environmentally friendly, they often come at a premium price due to the more complex production processes and smaller-scale manufacturing. For many farmers, especially those with limited resources or operating on smaller profit margins, the higher upfront costs of biopesticides can be a significant barrier to adoption. Additionally, while biopesticides are becoming more widely accepted, there is still limited awareness among some farmers about the benefits and effectiveness of these products. Many farmers may be reluctant to switch from chemical pesticides to biopesticides due to a lack of familiarity with the new technologies and uncertainty about their effectiveness in pest control. The challenge lies in educating farmers about the long-term benefits of biopesticides, not only for the environment but also for the sustainability of their farming practices. Moreover, the development of cost-effective biopesticide solutions that offer comparable efficacy to conventional pesticides is critical for driving greater adoption across the agricultural sector. As the market for biopesticides grows and more competition enters the space, prices are likely to come down, making them more accessible to farmers. However, addressing the cost barrier and expanding education on the benefits of biopesticides remain essential for unlocking the full potential of this market in the UK.

Key Market Trends

Growing Consumer Demand for Pesticide-Free Produce

The growing consumer demand for pesticide-free and organic produce is another major driver of the United Kingdom's biopesticides market. As consumers become more conscious of food safety and environmental impact, there is an increasing preference for organically grown food, which avoids the use of synthetic chemicals, including pesticides. Biopesticides, derived from natural sources, align perfectly with this trend, offering a safer, more sustainable option for pest management. In response to consumer demand, retailers, supermarkets, and food processors are seeking to source produce grown with fewer synthetic chemicals, which has further pushed the adoption of biopesticides. In January 2022, Syngenta Crop Protection AG acquired two next-generation bioinsecticides, NemaTrident and UniSpore, from Bionema Limited, a leading developer of biocontrol technologies. These acquisitions will enhance Syngenta's portfolio by providing customers with complementary, sustainable solutions to effectively manage insect pests and combat resistance. NemaTrident and UniSpore will become the first fully owned biocontrol products in Syngenta Professional Solutions, expanding their offerings in the horticulture, ornamentals, turf amenity, and forestry sectors. With these advanced bioinsecticides, Syngenta aims to offer customers a broader range of options for tackling pest challenges across various industries.

Key Market Players

- [] Bayer CropScience Limited
- [] Syngenta UK Limited
- [] Nufarm UK

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- CropLife UK
- Clayton Plant Protection Ltd.
- FMC Agro Ltd.
- PelGar International Ltd
- Sumitomo Chemical (UK) Ltd
- ADAMA Agricultural Solutions UK Limited
- Dow Chemical Company Ltd.

Report Scope:

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

- United Kingdom Biopesticides Market, By Type:

- o Bioinsecticides
- o Biofungicides
- o Bionematicides
- o Bioherbicides
- o Others

- United Kingdom Biopesticides Market, By Mode of Application:

- o Seed Treatment
- o Soil Treatment
- o Foliar Spray
- o Others

- United Kingdom Biopesticides Market, By Region:

- o Scotland
- o South-East
- o London
- o South-West
- o East-Anglia
- o Yorkshire & Humberside
- o East Midlands

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the United Kingdom Biopesticides Market.

Available Customizations:

United Kingdom Biopesticides 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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