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Humic-based Bio Stimulants Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028F Segmented By Type (Humic Acid, Fulvic Acid, Potassium Humate), By Application (Seed Treatment, Soil Treatment, Foliar Spray), By Formulation (Liquid & Dry), By Crop Type (Cereals & Grains, Oil Seeds & Pulses, Fruits & Vegetables), By Region and Competition

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Abstracts

Global Humic-based Bio Stimulants Market is expected to grow with an impressive CAGR in the forecast period 2024-2028. The market for humic-based bio stimulants is growing due to the increasing popularity and demand for organic pesticides in crop development, as well as the growing investment and research in the development of bio-stimulants.

Bio stimulants increase a plant's capacity to withstand stress when exposed to conditions of drought or illness. In addition to promoting greater plant growth, it is beneficial for the plants to increase their capacity for water absorption. Humic-based biostimulants are products derived from humic substances, which are natural organic compounds found in soil, peat, and other organic matter. These substances are rich in humic acid, fulvic acid, and humin. Humic substances possess water-holding capacity and help in maintaining the pH of the soil, thereby inducing plant growth. They also aid the plant by stabilizing soil moisture and temperature, thus offering suitable conditions for the uptake of nutrients and supporting plant growth. It is anticipated to create a huge market demand for Humic-based bio stimulants.

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Rising Demand for Organic or Bio-Based Stimulants

The growing demand from consumers and farmers to substitute synthetic stimulants with organic and bio-based stimulants is propelling the market growth for humic-based biostimulants. Increasing consumer demand for bio-based produce, such as crops, oil & seeds, pulses, fruits & vegetables, etc., is creating a huge demand among farmers for these natural crops, stimulating and improving pesticides. Additionally, by improving nutrient retention and reducing leaching, humic-based biostimulants help increase nutrient availability for plants. Humic substances contribute to soil aggregation, improving soil structure and stability. They enhance the soil's ability to retain water, increase aeration, and prevent erosion. This promotes root development and nutrient uptake by plants. Also, several companies launched their new range of bio-stimulants designed for organic farming approach. For instance, in 2021, UPL Australia announced a new launch of their new range for bio stimulants based on GoActiv technology (technology based on 100% pure extract from the Ascophyllum nodosum-a seaweed species), formulated to address specific crop abiotic or physiological stress in fruits, vegetables, tree crops, etc.

Increasing Research & Development for Promoting Organic Farming

Products are launched by several key market players, including biostimulant ingredients such as humic acids to promote plant growth. Ingredients such as humic acids and fulvic acids are used in plant germination for stimulating plant metabolic processes and seed germination, thereby stimulating crop production and supporting market growth at the same time. Humic acids have been shown to improve plants' ability to withstand various abiotic stresses, such as drought, salinity, and temperature extremes. They act as stress protectants by enhancing antioxidant activity, regulating plant hormone levels, and reducing oxidative damage. The new approach accepted by major market players also includes chelating their bio stimulants with various minerals. Additionally, leading companies started partnerships benefiting each other and finding innovative solutions to produce new bio stimulants, thereby supporting the growth of the Humic-based bio stimulants market. For instance, in July 2019, Valagro established a research partnership with Marrone Bio Innovations (US) to share mutual technical and research benefits for production that can flourish in challenging environments, grow more vigorously, and have superior root systems.

Growing Pesticide Demand in Developing Countries

Rapid soil degradation is leading to diseases occurring in plants, which is impacting the

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soil environment and thereby reducing the natural soil availability for crop production. At the same time, it is creating a huge demand for bio stimulants to improve crop production by restoring the soil capacity. Humic substances support beneficial microbial activity in the soil. They provide a food source and habitat for beneficial soil microorganisms, including bacteria and fungi. This improves nutrient cycling, disease suppression, and overall soil health. Humic-based bio stimulants can be applied to plants through various methods, including foliar sprays, seed treatments, and soil amendments. They can be used in conjunction with fertilizers and other crop protection products to optimize plant performance and yield. Also, the growing usage of humic-based bio stimulant is found helpful in compensating for the shortage of food and its nutrients in crops grown using these bio stimulants.

For instance, countries such as India and China are experiencing an increase in demand for crop production to fulfill the increased food demand for the growing population, thereby creating a demand for bio stimulants such as humic acid, fulvic acid, etc., improving and ensuring healthy production without any pesticides.

Market Segmentation

The Humic-based Bio stimulants market is segmented based on the Type, Application, Formulation, Crop Type and Region. Based on Type, the market is segmented into Humic acid, Fulvic Acid and Potassium Humate. Based on Application, the market is segmented into Seed treatment, Soil treatment and Foliar spray. Depending on the Formulations, the market is further segmented into Liquid and Dry. Based on the Crop Type, the market is further segmented into Cereals & Grains, Oil Seeds & Pulses, and Fruits & Vegetables.

Recent Developments

In 2022, FMC Corporation, an agricultural sciences company, gets its acquisition with BioPhero ApS- a Denmark based research and production company. This acquisition adds biologically producing pheromone insect control technology to FMC’s product portfolio and also expands the company’s role in delivering sustainable and innovative crop production.

Market Players

UPL, FMC Corporation, Bayer AG, Valagro S.P.A, Haifa Group, Sikko Industries Limited, Borregaard, Koppert Biological Systems, Biolchim SPA, Novihum Technologies

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Gmbh, etc., are some of the major players operating in the global Humic-based Bio stimulants market.

Report Scope:

In this report, Humic-based Bio Stimulants market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Humic-based Bio Stimulants market, By Type:

Humic Acid

Fulvic Acid

Potassium Humate

Humic-based Bio Stimulants market, By Application:

Seed Treatment

Soil Treatment

Foliar Spray

Humic-based Bio Stimulants market, By Formulation:

Liquid

Dry

Humic-based Bio Stimulants market, By Crop type:

Cereals & Grains

Oil Seeds & Pulses

Fruits & Vegetables

Humic-based Bio Stimulants market, By Region:

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North America

- United States
- Canada
- Mexico

Europe

- Germany
- France
- United Kingdom
- Italy
- Spain

Asia-Pacific

- China
- Japan
- India
- South Korea
- Australia

Middle East & Africa

- South Africa
- Saudi Arabia

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UAE

Kuwait

South America

Brazil

Argentina

Colombia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Humic-based Bio Stimulants market.

Available Customizations:

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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