

Agricultural Enzymes Market Report by Enzyme Type (Phosphatases, Dehydrogenases, Sulfatases, Proteases, and Others), Product Type (Soil Fertility Products, Control Products, Growth Enhancing Products), Crop Type (Cereals and Grains, Oilseeds and Pulses, Fruits and Vegetables, Turf and Ornamentals, and Others), and Region 2024-2032

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Abstracts

The global agricultural enzymes market size reached US\$ 440.7 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 986.8 Million by 2032, exhibiting a growth rate (CAGR) of 9.1% during 2024-2032.

Agricultural enzymes are biological catalysts that accelerate chemical reactions for unblocking the nutrients present in the soil. These enzymes help increase the plant yield and quality by detoxifying the soil that has been processed with pesticides, herbicides and chemical fertilizers. As they also neutralize both acid and alkaline soils, agricultural enzymes are extensively employed in the bioprocessing of fibers, enzyme-assisted silage fermentation, processing of crops and crop residues and the production of various animal feed supplements.

The escalating demand for organic food on account of the increasing awareness among individuals about the hazardous impact of pesticides represents one of the significant factors propelling the growth of the naturally sourced agrochemicals across the globe. Apart from this, the rising concerns about food and environment safety have led to the implementation of stringent regulations. These regulations are impelling farmers to adopt bio-based chemicals in place of their chemical counterparts. This, in turn, is positively influencing the sales of agricultural enzymes. Furthermore, the leading

players are focusing on the development of technologies that assist in producing these enzymes using microorganisms. Microorganisms used in the production of agricultural enzymes grow in closed steel tanks that contain nutrients, including sugar, starch, soy and corn. Besides this, some of these players are also using gene engineering technology to make the enzymes more efficient. Additionally, the increasing global population, in confluence with the inflating disposable incomes, is anticipated to fuel the growth of the market in the upcoming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global agricultural enzymes market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on enzyme type, product type and crop type.

Breakup by Enzyme Type:

Phosphatases

Dehydrogenases

Sulfatases

Proteases

Others

Breakup by Product Type:

Soil Fertility Products

Control Products

Growth Enhancing Products

Breakup by Crop Type:

Cereals and Grains

Oilseeds and Pulses

Fruits and Vegetables

Turf and Ornamentals

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being AB Enzymes GmbH (Associated British Foods Plc), Agrinos Inc. (Agrinos AS), Aries Agro Ltd., BASF SE, Bayer Aktiengesellschaft, Bioworks Inc., Deepak Fertilisers and Petrochemicals Corporation Limited, Dupont De Nemours Inc., Stoller Group Inc. and Syngenta AG (China National Chemical Corporation Limited).

Key Questions Answered in This Report:

How has the global agricultural enzymes market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global agricultural enzymes market?

What are the key regional markets?

What is the breakup of the market based on the enzyme type?

What is the breakup of the market based on the product type?

What is the breakup of the market based on the crop type?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global agricultural enzymes market and who are the key players?

What is the degree of competition in the industry?

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