

Global Bio-based Adjuvants Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G0FE4B37E137EN.html>

Date: June 2026

Pages: 142

Price: US\$ 3,480.00 (Single User License)

ID: G0FE4B37E137EN

Abstracts

According to our (Global Info Research) latest study, the global Bio-based Adjuvants market size was valued at US\$ 370 million in 2025 and is forecast to a readjusted size of US\$ 524 million by 2032 with a CAGR of 5.1% during review period.

In 2025, global bio-based adjuvant production reached approximately 80 kilotons, the average price is 4500 usd/ton. Bio-based adjuvants are functional chemicals whose main raw materials come from renewable biomass resources and are used to improve or endow specific properties of industrial products and production processes. These biomass feedstocks typically include vegetable oils, starch, cellulose, sugars, and derivatives thereof. Its core value lies in partially replacing traditional petroleum-based chemicals, utilizing the renewability of biological resources, helping to reduce dependence on fossil resources, and possibly reducing carbon footprint throughout the product life cycle, which is an important material basis for promoting green chemistry and sustainable development.

Market Concentration and Key Players:

Internationally, the market concentration of bio-based auxiliaries is relatively high, mainly concentrated in developed countries in Europe and America. For example, large manufacturers such as Borregaard and Ingevity; from the domestic point of view, there is still a lot of room for development of bio-based additives.

Manufacturing Process and Market Trends:

The core of the manufacturing process of bio-based additives lies in the efficient

chemical or biological transformation of renewable biomass raw materials. Its production usually begins with the pretreatment and refining of natural raw materials such as vegetable oils, starches, cellulose or sugars, followed by a series of specific chemical reactions, such as esterification, epoxidation or polymerization, to synthesize molecular structures with target functions. Another important technical path is to use biotechnology such as fermentation or enzyme catalysis to produce specific assistants by using high selectivity of microorganisms or enzyme preparations. This method has mild conditions and more green environmental characteristics. The whole production process pays special attention to the full utilization of raw materials and the management of by-products, so as to conform to the core concept of sustainable development.

Current market trends are strongly driven by global green transition policies, and stringent requirements for product carbon footprints make bio-based additives an important alternative to traditional petroleum-based products. Performance-oriented rather than simple raw material substitution has become the mainstream, and the focus of research and development is to make the product reach or even surpass the traditional additives in terms of plasticizing efficiency, thermal stability or surface activity. The expansion of application fields is also significant, from the traditional plastics and coatings industry, which is rapidly penetrating into emerging fields such as new energy vehicles, degradable materials and high-end cosmetics. Technology developments also tend to be refined and synergistic, such as the development of a single bio-based adjuvant with multiple functions, or the design of formulations that are better compatible with existing industrial systems. The integration of the industrial chain and the perfection of the certification system further promote it from an environmental protection concept to a mainstream industrial material with clear economic and performance advantages.

This report is a detailed and comprehensive analysis for global Bio-based Adjuvants market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Function and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Bio-based Adjuvants market size and forecasts, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2021-2032

Global Bio-based Adjuvants market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2021-2032

Global Bio-based Adjuvants market size and forecasts, by Function and by Application, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2021-2032

Global Bio-based Adjuvants market shares of main players, shipments in revenue (\$ Million), sales quantity (Kiloton), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Bio-based Adjuvants

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Bio-based Adjuvants market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BASF (Germany), Syensqo (Belgium), Ingevity (USA), Borregaard (Norway), Clariant (Switzerland), Croda (UK), Evonik Industries (Germany), Nufarm (Australia), Corteva (USA), Forevest Resources (China), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Bio-based Adjuvants market is split by Function and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Function, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Function

Surfactant

Oil-based Adjuvant

Other

Market segment by Biobased Content

25%?50%

50%?80%

?80%

Market segment by Chemical Origin

Plant-based

Natural Materials

Others

Market segment by Application

Herbicides

Fungicides

Insecticides

Others

Major players covered

BASF (Germany)

Syensqo (Belgium)

Ingevity (USA)

Borregaard (Norway)

Clariant (Switzerland)

Croda (UK)

Evonik Industries (Germany)

Nufarm (Australia)

Corteva (USA)

Forevest Resources (China)

Helena Agri-Enterprises (USA)

Precision Laboratories (USA)

BRANDT (USA)

Drexel Chemical Company (USA)

Miller Chemical & Fertilizer (USA)

Shandong Yanggu Huatai Chemical Industry(China)

Shandong Jiqing Chemical Industry(China)

Sanmao New Material Technology (Wuxi)

Jiangsu Xinrubei Biotechnology(China)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bio-based Adjuvants product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bio-based Adjuvants, with price, sales quantity, revenue, and global market share of Bio-based Adjuvants from 2021 to 2026.

Chapter 3, the Bio-based Adjuvants competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bio-based Adjuvants breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Function and by Application, with sales market share and growth rate by Function, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the

world, from 2021 to 2026.and Bio-based Adjuvants market forecast, by regions, by Function, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bio-based Adjuvants.

Chapter 14 and 15, to describe Bio-based Adjuvants sales channel, distributors, customers, research findings and conclusion.

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