

Global Bio-based Adjuvants Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Bio-based Adjuvants market size is expected to reach \$ 524 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

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 studies the global Bio-based Adjuvants production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Bio-based Adjuvants and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Bio-based Adjuvants that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Bio-based Adjuvants total production and demand, 2021-2032, (Kiloton)

Global Bio-based Adjuvants total production value, 2021-2032, (USD Million)

Global Bio-based Adjuvants production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kiloton), (based on production site)

Global Bio-based Adjuvants consumption by region & country, CAGR, 2021-2032 & (Kiloton)

U.S. VS China: Bio-based Adjuvants domestic production, consumption, key domestic manufacturers and share

Global Bio-based Adjuvants production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kiloton)

Global Bio-based Adjuvants production by Function, production, value, CAGR, 2021-2032, (USD Million) & (Kiloton)

Global Bio-based Adjuvants production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kiloton)

This report profiles key players in the global Bio-based Adjuvants market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Bio-based Adjuvants market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kiloton) and average price (US\$/Ton) by manufacturer, by Function, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Bio-based Adjuvants Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Bio-based Adjuvants Market, Segmentation by Function:

Surfactant

Oil-based Adjuvant

Other

Global Bio-based Adjuvants Market, Segmentation by Biobased Content:

25%-50%

50%-80%

>80%

Global Bio-based Adjuvants Market, Segmentation by Chemical Origin:

Plant-based

Natural Materials

Others

Global Bio-based Adjuvants Market, Segmentation by Application:

Herbicides

Fungicides

Insecticides

Others

Companies Profiled:

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 Xinruibei Biotechnology(China)

Key Questions Answered:

1. How big is the global Bio-based Adjuvants market?
2. What is the demand of the global Bio-based Adjuvants market?
3. What is the year over year growth of the global Bio-based Adjuvants market?
4. What is the production and production value of the global Bio-based Adjuvants market?
5. Who are the key producers in the global Bio-based Adjuvants market?
6. What are the growth factors driving the market demand?

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