

**Bio-acetic Acid Market Assessment, By Source [Biomass, Cornstarch, Others], By Application [Vinyl Acetate Monomer, Acetate Esters, Purified Terephthalic Acid, Acetic Anhydride, Others], By End-user Industry [Food and Beverages, Chemicals, Pharmaceutical, Textile, Cosmetics, Others], By Region, Opportunities and Forecast, 2018-2032F**

Market Report | 2025-06-16 | 225 pages | Market Xcel - Markets and Data

**AVAILABLE LICENSES:**

- Single User License \$4800.00
- Multi-User/Corporate Licence \$6000.00
- Custom Research License \$8500.00

**Report description:**

Global bio-acetic acid market is projected to witness a CAGR of 6.43% during the forecast period 2025-2032, growing from USD 274.70 million in 2024 to USD 461.25 million in 2032F. The bio-acetic acid market is primarily driven by heightened environmental awareness and the demand for sustainable alternatives to traditional petrochemical products. The bio-acetic acid derived from renewable feedstocks such as biomass and agricultural residues has been gaining popularity as industries increasingly seek eco-friendly solutions. Additionally, stringent regulations aimed at reducing carbon emissions and promoting bio-based products further support its adoption. The versatility of bio-acetic acid in various applications, including food and beverages, pharmaceuticals, and textiles, contributes to its growing popularity across the globe supplementarily.

In September 2024, the Union Cabinet in India, led by Prime Minister Narendra Modi, approved the continuation of the Department of Biotechnology's two schemes, merged into one 'Biotechnology Research Innovation and Entrepreneurship Development' (Bio-RIDE). The scheme aims to foster innovation, promote bio-entrepreneurship, and strengthen India's position as a global leader in biomanufacturing and biotechnology. It will provide seed funding, incubation support, and mentorship to bio-entrepreneurs, advance innovation through grants, facilitate industry-academia collaboration, encourage sustainable bio-manufacturing, and support researchers through extramural funding. The proposed outlay for the scheme is around USD 1080 million.

Several other factors contribute to the rise in demand for bio acetic acid, such as the expansion of the vinyl acetate monomer

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

(VAM) market. VAM is becoming a critical derivative of acetic acid, which has several applications in adhesives, paints, and coatings industries, thereby boosting the bio acetic acid market size. Bio-VAM is gaining traction as a greener alternative to conventional petrochemical-based VAM is highly demanded in the packaging industry. Additionally, the food industry relies on bio-acetic acid as a natural preservative and flavoring agent, particularly in organic and clean-label products. Government incentives, such as tax benefits and subsidies for bio-based chemicals, further accelerate adoption, especially in Europe and North America, where regulatory frameworks favor sustainable production for bio acetic acid which drives its growth in the market. Technological advancements in fermentation and enzymatic processes have improved the cost-efficiency and scalability of bio-acetic acid which makes the market more competitive. In addition, several companies are investing in bio-refineries to meet the rising demand for different applications. The increasing demand for bio-acetic acid in high-performance applications, such as bioplastics, pharmaceuticals, and specialty chemicals, is driving market growth. Industries are shifting towards bio-based alternatives to meet sustainability goals and reduce dependence on petrochemical-derived acetic acid. Innovations in fermentation technology and biomass processing are enhancing production efficiency, making bio-acetic acid a viable option for advanced industrial applications. As end-user industries seek greener solutions, the adoption of bio-acetic acid is expected to accelerate across multiple sectors. Furthermore, with the rising investment in waste-to-chemical innovations creating lucrative opportunities for bio-acetic acid in the forecast period.

#### Governmental Support for Bio-based Products to Promote Sustainability

Governmental support for bio-based products plays a pivotal role in driving the bio-acetic acid market. Influences worldwide are increasingly focusing on promoting sustainability by encouraging the adoption of renewable and eco-friendly alternatives to conventional petrochemical-based products. This includes providing incentives, subsidies, and funding for research and development in bio-based technologies, fostering innovation in the production of bio-acetic acid. Governments are also implementing stricter environmental regulations to reduce carbon emissions and combat climate change, further boosting the demand for bio-based solutions.

Furthermore, initiatives to establish biomanufacturing hubs and strengthen infrastructure for bio-based industries are accelerating the commercialization of bio-acetic acid. These measures aim to create a robust ecosystem for sustainable products, ensuring long-term environmental benefits while supporting economic growth. By prioritizing bio-based alternatives, governments are not only addressing ecological concerns but also encouraging industries to shift toward greener practices, making bio-acetic acid a key component in this transition.

In August 2024, the Union Cabinet approved India's first Biotechnology Policy, the 'BioE3 (Biotechnology for Economy, Environment and Employment) Policy for 'Fostering High Performance Biomanufacturing'. This policy aims to promote green growth by transforming the current manufacturing paradigm to regenerative principles. The initiative focuses on six key verticals: Bio-based Chemicals and Enzymes, Functional Food and Smart Proteins, Precision Biotherapeutics, Climate Resilient Agriculture, Biofuels and Carbon Capture, and Futuristic Marine and Space Research. The initiative will be accelerated through international collaboration and Public-Private Partnerships.

#### Rising Investment in Bio-Ethanol Production Driving the Market Growth of Bio-Acetic Acid

Rising investments in bioethanol production are significantly driving the growth of the bio-acetic acid market. As bioethanol serves as a key feedstock for producing bio-acetic acid, increased funding and technological advancements in bioethanol production enhance the availability and efficiency of bio-acetic acid manufacturing. This shift towards renewable sources is fueled by a growing awareness of environmental sustainability and the need to reduce reliance on fossil fuels. Furthermore, the expansion of bioethanol facilities often leads to improved production processes, resulting in higher yields and lower costs for bio-acetic acid. The synergy between bioethanol and bio-acetic acid production fosters innovation and encourages industries to adopt greener practices. Additionally, as consumers increasingly demand sustainable products, the focus on bio-based chemicals like bio-acetic acid becomes more pronounced, further incentivizing investments in bioethanol infrastructure and technology. This trend is expected to continue driving market growth as industries strive for eco-friendly alternatives in their operations.

For instance, in December 2024, Godavari Biorefineries Limited, a pioneer in renewable chemicals and biofuels, announce its plans for investing around USD 15 million in a new 200 KLPD corn/grain-based distillery to enhance its ethanol production capabilities. The investment will be part of existing operations, enhancing flexibility through dual-feedstock capability. The company reported a 25% Y-o-Y increase in revenue growth for the period April-June 2024, demonstrating its operational strength

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

and focusing on sustainable growth. The investment is expected to be completed in January-March 2026.

#### Growing Efforts for Carbon Neutrality Driving the Bio-Acetic Acid Market Growth

Growing efforts toward carbon neutrality are driving the bio-acetic acid market as industries and governments increasingly focus on reducing greenhouse gas emissions and transitioning to sustainable practices. Bio-acetic acid, derived from renewable feedstocks such as biomass, offers an eco-friendly alternative to petrochemical-based acetic acid, aligning with global goals to minimize carbon footprints. Stricter environmental regulations and international commitments to combat climate change are encouraging companies to adopt greener production methods, further boosting the demand for bio-acetic acid. Additionally, businesses are leveraging bio-acetic acid to meet the rising consumer preference for environmentally friendly products, enhancing their sustainability credentials. The push for carbon neutrality has also led to increased investments in research and development, fostering innovation in bio-based production technologies. These advancements improve efficiency and scalability, making bio-acetic acid more accessible across industries such as food and beverages, textiles, and pharmaceuticals. Collectively, these efforts are creating a favorable environment for the growth of the bio-acetic acid market.

#### Food and Beverages Market is Dominating the Bio Acetic Acid Market

The food and beverages market is the dominant end-user segment in the global bio-acetic acid sector, particularly due to the compound's essential role as a preservative and flavor enhancer. The acid is widely employed into various food applications, including sauces, pickles, and condiments, where it serves as an acidity regulator and helps maintain product freshness. Its primary component, vinegar, is a staple in kitchens worldwide, further solidifying the demand for bio-acetic acid in this sector. The growing consumer preference for natural and organic ingredients has also spurred interest in bio-acetic acid derived from renewable sources, making it a healthier alternative to synthetic preservatives. Additionally, the versatility of bio-acetic acid in enhancing flavors and extending shelf life aligns with the food industry's ongoing efforts to improve product quality while adhering to sustainability goals. As manufacturers increasingly prioritize eco-friendly solutions, the food and beverages market continue to drive the growth of bio-acetic acid, reinforcing its significance within the broader bio-based chemicals landscape.

Jubilant Ingrevia Limited has commissioned a new Green Ethanol-based food-grade Acetic Acid plant in Gajraula, Uttar Pradesh, to meet global product certification standards. The plant, set to operate from natural bio-based feedstock, will produce 25,000 tons per annum of this high-demand product. The plant, was commissioned in 2022, offers a healthier alternative to petroleum-based Acetic Acid, addressing the growing demand in the global food preservative segment.

#### Europe Dominates the Global Bio-Acetic Acid Market

The region contributes with the largest market share due to increasing shift towards bio-based chemicals, driven by stringent environmental policies and carbon reduction initiatives. Countries like Germany, France, and the Netherlands are hubs for bio-acetic acid production which boosts its market size in the forecast period. The demand for sustainable alternatives in industries such as food & beverages, chemicals, and pharmaceuticals is accelerating market expansion. Additionally, advancements in fermentation technology and the availability of renewable feedstocks are supporting cost-effective production, further strengthening market growth. The region has a well-established bioeconomy, which is supported by government subsidies and R&D investments thereby accelerating adoption of bio-acetic acid in different industries. Furthermore, increasing investments in bio-refineries and partnerships among key industry players are also enhancing production efficiency and market penetration. For instance, In June 2024, AFYREN SAS, a greentech company engaged in manufacturing bio-based, low-carbon ingredients produced using unique fermentation technology based on a completely circular model, provided an update on the recent activity of its AFYREN NEOXY plant during a visit organized for individual and institutional shareholders, and confirmed its target to start continuous production in 2024.

#### Future Market Scenario (2025 - 2032F)

□□As consumers become more environmentally conscious, the demand for sustainable and eco-friendly products is rising. Bio-acetic acid, sourced from renewable feedstocks, aligns with this trend, making it a preferred choice in various industries, particularly food and beverages. This shift towards sustainability is expected to fuel market growth as companies seek to enhance their product offerings with bio-based alternatives.

□□Innovations in biorefinery technologies and production processes are enhancing the efficiency and cost-effectiveness of bio-acetic

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

acid manufacturing. These advancements enable producers to utilize a wider range of renewable feedstocks, improving yield and reducing production costs. As technology continues to evolve, it will likely lead to increased adoption of bio-acetic acid across various applications.

□ Governments worldwide are implementing stricter regulations aimed at reducing carbon emissions and promoting the use of bio-based chemicals. This regulatory environment encourages industries to transition from fossil fuel-derived products to sustainable alternatives like bio-acetic acid. Such policies create a favorable landscape for market growth as businesses strive to comply with environmental standards.

□ The versatility of bio-acetic acid in various applications, including pharmaceuticals, textiles, and industrial solvents, is driving its market growth. As industries increasingly recognize the benefits of bio-acetic acid in enhancing product quality and sustainability, its adoption across multiple sectors is expected to rise, further propelling market expansion.

#### Key Players Landscape and Outlook

The key players in global bio-acetic acid market are adopting strategic initiatives to strengthen their market presence and meet the growing demand for sustainable solutions. A major focus is on innovation in production technologies, with significant investments in research and development to improve efficiency, reduce costs, and utilize diverse bio-based feedstocks. Companies are also expanding their manufacturing capacities by establishing new facilities or upgrading existing ones to cater to increasing applications across industries such as food and beverages, pharmaceuticals, and textiles. Strategic partnerships and collaborations are another key approach, enabling players to leverage expertise, share resources, and accelerate advancements in bio-acetic acid production. Additionally, there is a strong emphasis on sustainability, with companies aligning their product portfolios to meet stringent environmental regulations and consumer preferences for eco-friendly products. By prioritizing green chemistry and renewable feedstocks, the key players in the market are investing to position themselves to lead in the transition toward environmentally conscious industrial practices.

In May 2023, SEKAB Biofuels & Chemicals AB expanded its production of bio-based Acetic Acid, a crucial raw material in various industries. The company's investment in new production capacity enables faster and larger deliveries, reducing the carbon footprint by up to 50%. The flagship product, Acetic Acid Pure, is 100% bio-based, reducing carbon dioxide emissions by 50% or more. It has undergone comprehensive certification and has a zero unplanned downtime record. Sekab's bio-based chemical expertise is renowned for its sustainability and traceability.

#### Table of Contents:

1. □ Project Scope and Definitions
2. □ Research Methodology
3. □ Executive Summary
4. □ Voice of Customers
  - 4.1. □ Respondent Demographics
  - 4.2. □ Factors Considered in Purchase Decisions
    - 4.2.1. □ Quality and Purity
    - 4.2.2. □ Sustainability
    - 4.2.3. □ Cost Friendliness
    - 4.2.4. □ Supplier Reputation and Reliability
  - 4.3. □ Unmet Needs
5. □ Global Bio-acetic Acid Market Outlook, 2018-2032F
  - 5.1. □ Market Size Analysis & Forecast
    - 5.1.1. □ By Value
    - 5.1.2. □ By Volume
  - 5.2. □ Market Share Analysis & Forecast
    - 5.2.1. □ By Source
      - 5.2.1.1. □ Biomass
      - 5.2.1.2. □ Cornstarch

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 5.2.1.3. □Others
- 5.2.2. □By Application
  - 5.2.2.1. □Vinyl Acetate Monomer
  - 5.2.2.2. □Acetate Esters
  - 5.2.2.3. □Purified Terephthalic Acid
  - 5.2.2.4. □Acetic Anhydride
  - 5.2.2.5. □Others
- 5.2.3. □By End-user Industry
  - 5.2.3.1. □Food and Beverages
  - 5.2.3.2. □Chemicals
  - 5.2.3.3. □Pharmaceutical
  - 5.2.3.4. □Textile
  - 5.2.3.5. □Cosmetics
  - 5.2.3.6. □Others
- 5.2.4. □By Region
  - 5.2.4.1. □Europe
  - 5.2.4.2. □Asia-Pacific
  - 5.2.4.3. □North America
  - 5.2.4.4. □South America
  - 5.2.4.5. □Middle East and Africa
- 5.2.5. □ By Company Market Share Analysis (Top 5 Companies and Others - By Value, 2024)
- 5.3. □Market Map Analysis, 2024
  - 5.3.1. □By Source
  - 5.3.2. □By Application
  - 5.3.3. □End-user Industry
  - 5.3.4. □By Region
- 6. □North America Bio-acetic Acid Market Outlook, 2018-2032F\*
  - 6.1. □Market Size Analysis & Forecast
    - 6.1.1. □ By Value
    - 6.1.2. □ By Volume
  - 6.2. □Market Share Analysis & Forecast
    - 6.2.1. □ By Source
      - 6.2.1.1. □Biomass
      - 6.2.1.2. □Cornstarch
      - 6.2.1.3. □Others
    - 6.2.2. □By Application
      - 6.2.2.1. □Vinyl Acetate Monomer
      - 6.2.2.2. □Acetate Esters
      - 6.2.2.3. □Purified Terephthalic Acid
      - 6.2.2.4. □Acetic Anhydride
      - 6.2.2.5. □Others
    - 6.2.3. □By End-user Industry
      - 6.2.3.1. □Food and Beverages
      - 6.2.3.2. □Chemicals
      - 6.2.3.3. □Pharmaceutical
      - 6.2.3.4. □Textile
      - 6.2.3.5. □Cosmetics

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.2.3.6.□Others
  - 6.2.4.□By Region
    - 6.2.4.1.□North America
    - 6.2.4.2.□Europe
    - 6.2.4.3.□Asia-Pacific
    - 6.2.4.4.□South America
  - 6.2.5.□Middle East and Africa
  - 6.2.6.□ By Country Share
    - 6.2.6.1.□United States
    - 6.2.6.2.□Canada
    - 6.2.6.3.□Mexico
  - 6.3.□Country Market Assessment
    - 6.3.1.□ United States Bio-acetic acid Market Outlook, 2018-2032F\*
      - 6.3.1.1.□Market Size Analysis & Forecast
        - 6.3.1.1.1.□By Value
        - 6.3.1.1.2.□By Volume
      - 6.3.1.2.□Market Share Analysis & Forecast
        - 6.3.1.2.1.□ By Source
          - 6.3.1.2.1.1.□Biomass
            - 6.3.1.2.1.2.□Cornstarch
            - 6.3.1.2.1.3.□Others
          - 6.3.1.2.2.□By Application
            - 6.3.1.2.2.1.□Vinyl Acetate Monomer
            - 6.3.1.2.2.2.□Acetate Esters
              - 6.3.1.2.2.3.□Purified Terephthalic Acid
              - 6.3.1.2.2.4.□Acetic Anhydride
              - 6.3.1.2.2.5.□Others
          - 6.3.1.2.3.□By End-user Industry
            - 6.3.1.2.3.1.□Food and Beverages
            - 6.3.1.2.3.2.□Chemicals
            - 6.3.1.2.3.3.□Pharmaceutical
            - 6.3.1.2.3.4.□Textile
            - 6.3.1.2.3.5.□Cosmetics
            - 6.3.1.2.3.6.□Others
        - 6.3.1.3.□By Region
          - 6.3.1.3.1.1.□North America
          - 6.3.1.3.1.2.□Europe
          - 6.3.1.3.1.3.□Asia-Pacific
          - 6.3.1.3.1.4.□South America
          - 6.3.1.3.1.5.□Middle East and Africa
      - 6.3.2.□ Canada
      - 6.3.3.□ Mexico
- \*All segments will be provided for all regions and countries covered
- 7.□Europe Bio-acetic acid Market Outlook, 2018-2032F
    - 7.1.□ Germany
    - 7.2.□ Sweden
    - 7.3.□ France

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.4. □ Austria
- 7.5. □ Czech Republic
- 7.6. □ Netherlands
- 7.7. □ Italy
- 7.8. □ Spain
- 7.9. □ Switzerland
- 8. □ Asia-Pacific Bio-acetic Acid Market Outlook, 2018-2032F
  - 8.1. □ China
  - 8.2. □ India
  - 8.3. □ Japan
  - 8.4. □ South Korea
  - 8.5. □ Indonesia
  - 8.6. □ Malaysia
- 9. □ South America Bio-acetic acid Market Outlook, 2018-2032F
  - 9.1. □ Colombia
  - 9.2. □ Argentina
- 10. □ Middle East and Africa Bio-acetic Acid Market Outlook, 2018-2032F
  - 10.1. □ Kenya
  - 10.2. □ South Africa
- 11. □ Porter's Five Forces Analysis
- 12. □ PESTLE Analysis
- 13. □ Demand Supply Analysis
- 14. □ Import Export Analysis
- 15. □ Market Dynamics
  - 15.1. □ Market Drivers
  - 15.2. □ Market Challenges
- 16. □ Market Trends and Developments
- 17. □ Case Studies
- 18. □ Competitive Landscape
  - 18.1. □ Competition Matrix of Top 5 Market Leaders
  - 18.2. □ Key Players Landscape for Top 10 Market Players
    - 18.2.1. □ SEKAB Biofuels & Chemicals AB
      - 18.2.1.1. □ Company Details
      - 18.2.1.2. □ Key Management Personnel
      - 18.2.1.3. □ Key Products Offered
      - 18.2.1.4. □ Key Financials (As Reported)
      - 18.2.1.5. □ Key Market Focus and Geographical Presence
      - 18.2.1.6. □ Recent Developments/Collaborations/Partnerships/Mergers and Acquisition
      - 18.2.1.7. □ SWOT Analysis for Top 5 Players
    - 18.2.2. □ Jubilant Ingrevia Limited
    - 18.2.3. □ Godavari Biorefineries Limited
    - 18.2.4. □ Lenzing AG
    - 18.2.5. □ Wacker Chemei AG
    - 18.2.6. □ AFYREN SAS
    - 18.2.7. □ Sucroal S.A.
    - 18.2.8. □ Biosimo AG
    - 18.2.9. □ Bio-Corn Products EPZ Ltd

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

18.2.10. Again

\*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work.

19. Strategic Recommendations

20. About Us and Disclaimer

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**Bio-acetic Acid Market Assessment, By Source [Biomass, Cornstarch, Others], By Application [Vinyl Acetate Monomer, Acetate Esters, Purified Terephthalic Acid, Acetic Anhydride, Others], By End-user Industry [Food and Beverages, Chemicals, Pharmaceutical, Textile, Cosmetics, Others], By Region, Opportunities and Forecast, 2018-2032F**

Market Report | 2025-06-16 | 225 pages | Market Xcel - Markets and Data

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User License	\$4800.00
	Muti-User/Corporate Licence	\$6000.00
	Custom Research License	\$8500.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-07"/>
		Signature	<input type="text"/>