

Saudi Arabia Bioplastics Market Predicted to Exceed USD 345.73 Million by 2033, Rising At A CAGR Of 10.7%

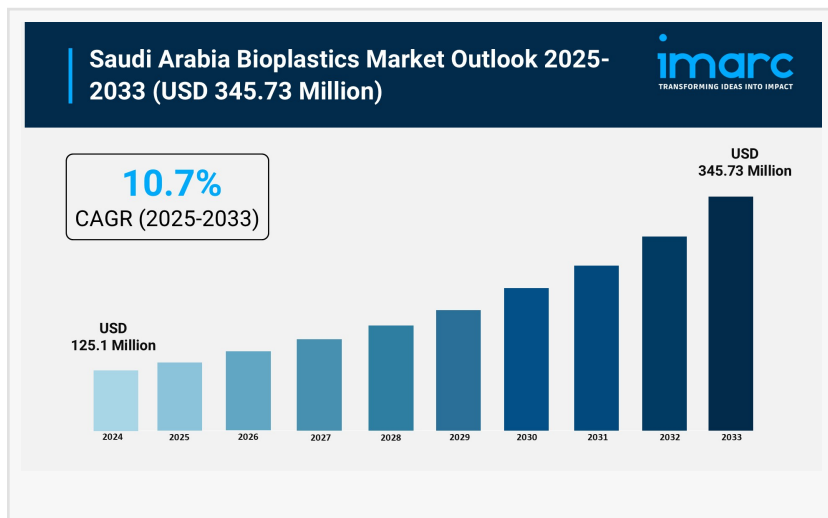
Saudi Arabia bioplastics market size was valued at USD 125.1 Million in 2024, expected to reach USD 345.73 Million at a CAGR of 10.7% during 2025-2033.

SHERIDAN, WY, UNITED STATES,
November 21, 2025 /
EINPresswire.com/ -- □□□□□ □□□□□□
□□□□□□□□□□ □□□□□□ □□□□□□□□

□□□□□□ □□□□ □□ □□□□: USD 125.1
Million

□□□□□□ □□□□ □□ □□□□: USD 345.73 Million

□□□□□□ □□□□□□ □□□□ □□□□-□□□□: 10.7%



According to IMARC Group's latest research publication, "□□□□□ □□□□□□ □□□□□□□□□□□ □□□□□□: □□□□□□□□ □□□□□□, □□□□□□, □□□□□□, □□□□□□□□□□□ □□□ □□□□□□□□□ □□□□-□□□□", The [Saudi Arabia bioplastics market size was valued at USD 125.1 Million](#) in 2024. Looking forward, IMARC Group estimates the market to reach USD 345.73 Million by 2033, exhibiting a CAGR of 10.7% during 2025-2033.

□□□□ □□ □□ □□□□□□□□□□ □□□□ □□□□□□ □□ □□□□□□ □□□□□□ □□□□□□□□□□□□ □□□□□□

□ AI-powered fermentation optimization improves PHA and PLA production efficiency in Saudi Arabia by monitoring bacterial cultures in real time and adjusting key parameters to reduce waste and boost yield.

□ Vision 2030-aligned smart factories use AI-driven process automation to enhance sustainable bioplastics manufacturing across major industrial zones such as Riyadh, Jeddah, and Dammam.

□ AI-based predictive quality control forecasts biodegradability timelines and evaluates material

durability, accelerating innovation in advanced bio-based polymers for packaging, agriculture, and consumer goods.

□ AI algorithms enable rapid R&D by identifying high-performance bioplastic formulations derived from date palm biomass and other locally abundant organic feedstocks.

□ Intelligent supply chain analytics optimize organic waste collection routes, match waste generators with bioplastic producers, and support circular economy models across Northern, Central, Western, Eastern, and Southern regions of Saudi Arabia.

□□□□ □ □□□□□ □□□ □□ □□□□ □□□□□□: <https://www.imarcgroup.com/saudi-arabia-bioplastics-market/requestsample>

□□□ □□□□□□ □□□□ □□ □□□□□□□□□□□□ □□□□□ □□□□□□ □□□□□□□□□□□□ □□□□□□□□

Saudi Arabia's Vision 2030 is accelerating the bioplastics industry by promoting sustainable materials within its circular carbon economy and environmental goals. With targets to cut plastic pollution, reach carbon neutrality by 2060, and diversify beyond fossil fuels, demand for biodegradable and bio-based plastics is rising across packaging, agriculture, consumer goods, textiles, and automotive sectors. The Saudi Green Initiative—aiming to plant 10 billion trees—is driving adoption of biodegradable agricultural films and soil-safe products, while waste management reforms targeting 85% landfill diversion are boosting demand for compostable bioplastics. Government programs like the National Technology Development Programme are supporting startups such as Plastus and Polymeron in producing bioplastics from local waste including date palm residues and food waste. SASO's mandatory biodegradable plastic regulations and certification standards are accelerating market adoption. Global companies like BASF, Total Corbion, and Mitsubishi Chemical are partnering with Saudi firms to localize production for mega-projects such as NEOM, The Red Sea Project, and Qiddiya. Vision 2030's push for sustainable construction and smart cities is expanding bioplastic use in packaging, textiles, and automotive interiors, positioning Saudi Arabia as a regional leader in sustainable materials innovation and job creation.

□□□□ □□□□ □□□□□□□□ □□□□ □□□□ & □□□□□□:

Saudi Arabia's bioplastics market is experiencing robust growth, driven by rising environmental regulations and government support for sustainable materials as the Kingdom intensifies efforts to combat plastic pollution and achieve circular economy objectives. The market is propelled by increasing consumer awareness about environmental sustainability, with Saudi citizens and businesses becoming more conscious of the harmful effects of conventional plastics on ecosystems and human health, leading to growing demand for biodegradable alternatives across all major cities including Riyadh, Jeddah, and Dammam. The Saudi Standards, Metrology and Quality Organization's enforcement of technical regulations mandating oxo-biodegradable materials for disposable plastic products, shopping bags, garbage bags, and packaging films with

thickness under 250 microns is creating sustained demand for compliant bioplastic formulations, with over 441 factories across 18 countries licensed to use the SASO Biodegradable Plastic Logo.

The surge in packaging sector demand is significantly boosting market expansion, as food and beverage companies, e-commerce platforms, and consumer goods manufacturers transition from conventional petroleum-based plastics to eco-friendly alternatives including polylactic acid (PLA), starch blends, polybutylene adipate terephthalate (PBAT), and polybutylene succinate (PBS) for flexible packaging, rigid packaging applications, and specialized food-contact materials that comply with SABER platform requirements. The agriculture and horticulture sector's adoption of biodegradable mulch films, plant pots, and seedling containers is reducing soil pollution and waste management challenges associated with conventional plastic agricultural products, while the textile industry's exploration of bio-based fibers and the automotive sector's integration of bioplastic components in vehicle interiors are creating diverse application opportunities. The breakthrough innovations by Saudi biotech startups including Plastus, which won the LEAP23 Rocket Fuel Challenge grand prize for producing 100% biodegradable PHA bioplastics through bacterial fermentation with two-month decomposition timelines and two-year shelf life, and Polymeron, which converts date palm waste and poultry industry byproducts into biodegradable pellets, demonstrate the Kingdom's capacity for homegrown climate-tech solutions supported by nearly USD 439 million in domestic climate startup investments between 2018 and 2023. The Ministry of Environment, Water and Agriculture's new regulations mandating recyclable and sustainable packaging for fruits and vegetables, combined with the National Industrial Development and Logistics Program's allocation of approximately SAR 1.5 billion for sustainable packaging projects, are accelerating market transformation across online and offline distribution channels throughout the Northern and Central Region, Western Region, Eastern Region, and Southern Region, while growing demand from consumer goods, healthcare, and institutional sectors for single-use biodegradable products aligns with Saudi Arabia's commitment to international environmental agreements and positions the Kingdom as an emerging hub for bioplastics innovation in the MENA region.

□□□□□ □□□□□□ □□□□□□□□□□□ □□□□□ □□□□□□□ □□□□□□□□□□□:

□□□ □□□□□□ □□ □□□□□□□□□ □□□ □□□□□□ □□□□ □□ □□□□□□□□□ □□□□□□□□□□:

□□□□□□□ □□□□□□□□:

- Biodegradable
- Polylactic Acid
- Starch Blends
- Polybutylene Adipate Terephthalate (PBAT)
- Polybutylene Succinate (PBS)
- Others
- Non-Biodegradable

- ☐ Polyethylene
- ☐ Polyethylene Terephthalate
- ☐ Polyamide
- ☐ Polytrimethylene Terephthalate
- ☐ Others

□□□□□□□□□□ □□□□□□□□:

- ☐ Flexible Packaging
- ☐ Rigid Packaging
- ☐ Agriculture and Horticulture
- ☐ Consumer Goods
- ☐ Textile
- ☐ Automotive and Transportation
- ☐ Others

□□□□□□□□□□ □□□□□□ □□□□□□□□:

- ☐ Online
- ☐ Offline

□□□□□□ □□ □□□□□□:

- ☐ Northern and Central Region
- ☐ Western Region
- ☐ Eastern Region
- ☐ Southern Region

□□□□□□□□□□ □□□□□□□□:

The competitive landscape of the industry has also been examined along with the profiles of the key players.

□□□□□□□□ □□□ □□□□ □□□□□□□□□□□□ □□□□□□ □□□□:

<https://www.imarcgroup.com/checkout?id=33935&method=1315>

□□□□□□ □□□□ □□□ □□□□□□□□□□□□ □□ □□□□□ □□□□□□ □□□□□□□□□□□□ □□□□□□

□ □□□□□□□ □□□□: Saudi biotech startup Plastus announced expansion plans for its biodegradable bioplastics production facility, following recognition at international innovation competitions and securing additional funding to scale manufacturing capabilities, positioning the company to meet growing domestic and regional demand for PHA-based packaging solutions derived from organic waste fermentation processes.

□ □□□□ □□□□: Leading food and beverage companies in Saudi Arabia announced commitments to transition their packaging materials to biodegradable alternatives, driven by consumer preferences for sustainable products and alignment with Vision 2030 environmental objectives, accelerating adoption of PLA, starch-based films, and compostable containers across retail and e-commerce distribution channels.

□ □□□□ □□□□: The Ministry of Environment, Water and Agriculture expanded regulations for sustainable packaging in agricultural products, requiring producers and distributors to adopt recyclable and biodegradable materials for fruits and vegetables, supporting the Green Saudi Initiative's resource efficiency goals and creating new opportunities for bioplastics manufacturers serving the agriculture and horticulture sectors.

□□□□ □□□□□□□ □□□□□□ □□ □□□□ □□□□:

[Saudi Arabia Gear Market](#)

[Saudi Arabia Perfume Market](#)

Saudi Arabia Hair Care Market: <https://www.imarcgroup.com/saudi-arabia-hair-care-market>

saudi arabia e-commerce market: <https://www.imarcgroup.com/saudi-arabia-e-commerce-market>

□□□□: If you require specific details, data, or insights that are not currently included in the scope of this report, we are happy to accommodate your request. As part of our customization service, we will gather and provide the additional information you need, tailored to your specific requirements. Please let us know your exact needs, and we will ensure the report is updated accordingly to meet your expectations.

□□□□□ □□:

IMARC Group is a global management consulting firm that helps the world's most ambitious changemakers to create a lasting impact. The company provide a comprehensive suite of market entry and expansion services. IMARC offerings include thorough market assessment, feasibility studies, company incorporation assistance, factory setup support, regulatory approvals and licensing navigation, branding, marketing and sales strategies, competitive landscape and benchmarking analyses, pricing and cost research, and procurement research.

□□□□□□□ □□:

□□□□□ □□□□□

134 N 4th St. Brooklyn, NY 11249, USA

Email: sales@imarcgroup.com

Tel No:(D) +91 120 433 0800

United States: +1-201971-6302

Elena Anderson

IMARC Services Private Limited

+1 201-971-6302

[email us here](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/869117599>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.