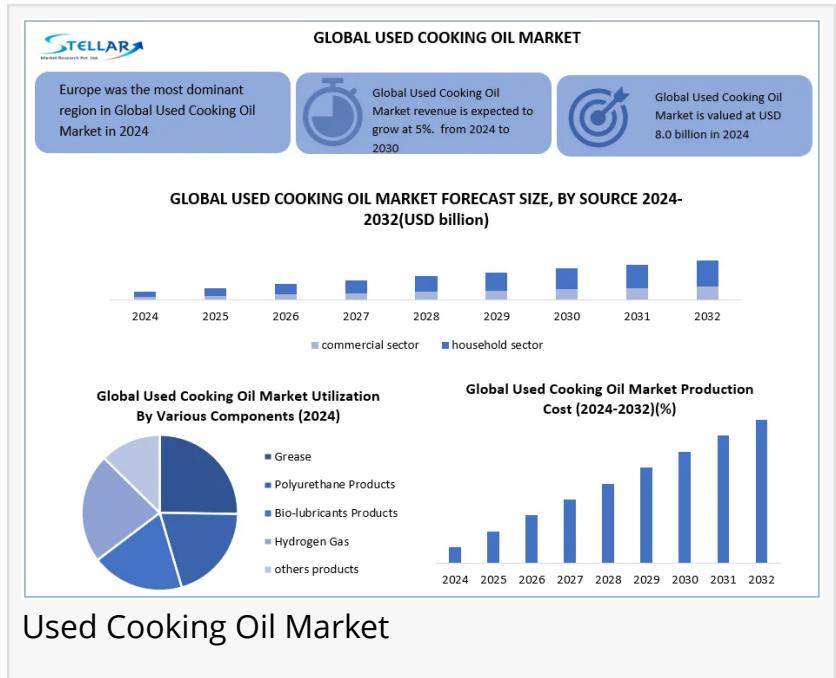


# Stellar Market Research examines the growth rate of the Used Cooking Oil Market during the forecasted period 2025-2032

*Used Cooking Oil Market size was valued at USD 8 Billion in 2024 and is expected to reach USD 12.46 Billion by 2032, exhibiting a CAGR of 5%*

SAN FRANCISCO, CA, UNITED STATES, June 18, 2025 /EINPresswire.com/ -- The [Used Cooking Oil Market](#) is projected to grow at a compound annual growth rate (CAGR) of approximately 5% over the forecast period. The Used Cooking Oil Market was valued at USD 8 billion in 2024 and is expected to reach USD 12.46 billion by 2032. Growth in the used cooking oil was driven by biodiesel demand,

government incentives, an increase in awareness of sustainability, advancements in processing methods, a low cost, the significance of emerging new outlets in oleochemicals and animal feed, essentially a convergence of environmental and economic advantages.



“

Used Cooking Oil: a small kitchen leftover making a big impact on global sustainability.”

*Dharati Raut*

## Used Cooking Oil Market Overview

The global Used Cooking Oil market is currently a growing market, driven by sustainability efforts, technologies, and renewable energy, among other factors. Major production factors are biodiesel production, government regulations favouring its use, and increasing environmental awareness. The main applications for biodiesel are animal

feeds and oleochemicals. Europe is leading the production factors due to stringent regulations, and the Asia-Pacific region is seeing rising demand. Supply chain issues, quality control, and regulatory compliance represent some challenges. The future looks promising due to innovations, policy support, and broad industrial applications across regions.

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## Used Cooking Oil Market Dynamics

### Drivers

#### Growing Demand for Biodiesel

Increased demand for biodiesel has thereby promoted the use of UCO as a renewable feedstock in oil production, influencing the reduction of dependence on fossil-derived fuel and emissions. Globally, countries are encouraging UCO biodiesel through policy support, such as in India with the RUCO program. Projects in the UAE, Portugal, and India all stand as examples to underline this trend. While challenges in supply and control of quality still exist, biodiesel from UCO remains at the forefront of sustainable energy growth.

#### Government Regulations and Incentives

Governments support the recycling of UCO through different strategies, including Extended Producer Responsibility (EPR) in India and the Renewable Energy Directive (RED) of the EU, which advocate for the ease of sustainable use. These strategies include flex provisions available for producers and consumers in the form of incentives, taxes, and carbon credits. Globally, there are different testbed experiments, such as the community collection initiatives in Greece, designed to represent individual symbiotic efforts in the recycling continuum. Such policies and incentives fulfil the role of the pathways in the circular economy by creating more renewable energy with a lower environmental impact.

### Economic Benefits

Used cooking oil is 2 to 3 times cheaper than fresh oil, allowing cheaper alternatives for biodiesel producers and manufacturers. Sale and filtration services for recycled UCO enable restaurants and waste managers to earn revenue. Recycling also cuts on disposal fees, sustains sustainability goals, and fosters brand goodwill by promoting a circular economy and environmental responsibility.

### Restrain

#### Quality Control Challenges

The quality of used cooking oil varies based on contaminants, including food particles, water, and mixed oils, and can be difficult to refine, with potentially low biodiesel yields. The impurities can also make UCO dangerous to be used as animal feed and against health regulations. It is

critical to use advanced purification techniques to obtain good-quality UCO for effective biodiesel and feed applications, including filtering, chemical treatment, and centrifuging.

## Innovations and Developments

Technological innovation is a key factor propelling the Used Cooking Oil Market forward. Notable advancements include:

**Microbial and Enzymatic Processing:** These biological methods with genetically engineered microbes and enzymes are more energy-efficient alternatives to chemical processes, particularly since they achieve biodiesel at ambient temperatures and a more energy-efficient way to create high-quality biodiesel with insignificant quantities of by-products.

**Catalytic Innovations for Improved Biodiesel Quality:** Research is being conducted on solid acid catalysts, phosphoric acid supported on zinc oxide, to enhance UCO-to-biodiesel conversion efficiency by increasing both the reaction rate and yield, improving the cost of biodiesel and making its production more environmentally friendly in the process.

## Used Cooking Oil Market Segmentation

### By Source

By Source, the Used Cooking Oil Market is further segmented into the Household Sector and Commercial Sector. Among which, the commercial sector dominates the market in the area of used cooking oil, contributing between 65% and 79%, and the reason behind it is the massive use of oil in restaurants and hotels. The dominance is fostered by regulatory compliance, economic incentives, and the pursuit of sustainability. Among the recent developments have been the rich partnership possibilities, such as the project between Hesburger and Neste for renewable diesel, or the EU policies encouraging UCO recycling from food services.

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## Used Cooking Oil Market Regional Analysis

**Europe:** European nations lead the Used Cooking Oil market due to stringent regulations, a strong recycling infrastructure, and their commitments toward renewable energy. Biofuels from UCO are mandated by the EU, thus supporting the circular economy. Recent trending shifts include a rise in imports of UCO from China due to US tariff impositions, and the local producers in line with challenges posed to subsidized biodiesel from the US.

**Asia-Pacific:** Strong government policies, along with increasing demand for biodiesel, urbanization, and circular economy activities, render Asia-Pacific dominant in the Used Cooking

Oil market. Of late, developments include China diverting UCO exports toward Europe, Malaysia cracking down on fraud, and the UAE going for biodiesel from UCO for its fleets.

North America: Strong renewable fuel policies, rising demand for renewable diesel, and a large food service sector make North America the market leader in Used Cooking Oil. The latest trends involve significant Chinese UCO imports and market-oriented alterations.

### Used Cooking Oil Market Competitive Landscape

The global and regional players in the Used Cooking Oil Market concentrate on developing and enhancing their capabilities, resulting in fierce competition. Notable players include:

ABP Food Group - Ireland, Europe  
Arrow Oils Ltd - UK, Europe  
Baker Commodities Inc. - California, USA, North America  
Brocklesby Limited - UK, Europe  
Grand Natural Inc. - Asia Pacific  
Greasecycle LLC - USA, North America  
MBP Solutions Ltd. - UK, Europe  
Oz Oils Pty Ltd - Australia, Asia Pacific  
Valley Proteins Inc. - USA, North America  
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### Summary

The global Used Cooking Oil (UCO) market is growing significantly due to increasing biodiesel demand, incentives from governments, more awareness around sustainability & technology advancements. With a value of ~USD 8 billion at the end of 2024, the market is projected to continue to grow based on its affordability and other applications as biodiesel, animal feed, and oleochemicals. The commercial sector consists of most of the supply, due to a high oil use in restaurants and hotels.

Europe offers a strong combination of strict regulations and recycling infrastructure, while the Asia-Pacific region takes advantage of strong policies and rising demand for biodiesel. North America also holds a strong share of the market, bolstered by renewable fuel mandates and a large food service sector.

The challenges are to have quality control of the biodiesel from UCO, because the UCO can contain contaminants, and in some cases, only advanced purification may suffice. Innovations such as microbial processing and catalysts are improving efficiencies in the biodiesel production sector. Major players around the world, including SMEs, are expanding their capabilities and increasing competition. The UCO market is moving ahead towards sustainability, supported by policies, technology advances, and expanding applications in industry.

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Stellar Market Research is a multifaceted market research and consulting company with professionals from several industries. Some of the industries we cover include medical devices, pharmaceutical manufacturers, science and engineering, electronic components, industrial equipment, technology and communication, cars and automobiles, chemical products and substances, general merchandise, beverages, personal care, and automated systems. To mention a few, we provide market-verified industry estimations, technical trend analysis, crucial market research, strategic advice, competition analysis, production and demand analysis, and client impact studies.

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