

Global Used Cooking Oil Market Size Study, by Source (Household Sector, Commercial Sector), by Application (Biodiesel, Oleo Chemicals, Animal Feed, Others), and Regional Forecasts 2022-2032

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Abstracts

The global Used Cooking Oil market was valued at approximately USD 6.4 billion in 2023 and is anticipated to grow at a steady compound annual growth rate (CAGR) of 5.8% from 2024 to 2032, reaching a market size of USD 11.8 billion by 2032. Used cooking oil, a byproduct of repeated vegetable oil usage in food preparation, particularly from restaurants, hotels, and food industries, is increasingly gaining traction as a key feedstock in the production of biodiesel, oleo chemicals, and animal feed. The economic appeal of UCO lies in its status as a waste material, which does not compete with vegetable oils in the market, thereby offering a cost-effective alternative for these applications. The easy availability of UCO in bulk further propels the growth of the global market.

The market's expansion is significantly driven by the rising global demand for biodiesel, an environmentally friendly alternative to traditional fossil fuels. Governments around the world are introducing favorable policies and subsidies to promote biodiesel production, thereby driving up the demand for UCO as a primary feedstock. Moreover, stringent environmental regulations aimed at reducing carbon emissions are encouraging industries to adopt sustainable practices, including the recycling of UCO, which further bolsters market growth. The emphasis on circular economy initiatives, which advocate for the reuse and recycling of waste materials, also plays a pivotal role in driving the UCO market forward. Opportunities for growth are particularly strong in emerging markets, where the industrialization and urbanization processes are increasing the consumption of edible oils, thereby generating greater volumes of UCO. The advancements in UCO processing technologies, such as enhanced filtration and refining techniques, are improving the efficiency of biodiesel production, thereby

creating significant market opportunities. However, the market does face challenges, particularly related to the inconsistent supply and quality of UCO, which can vary based on food consumption patterns and the efficacy of collection infrastructure. This variability necessitates robust collection systems and stringent quality controls, which can be difficult to implement in regions with limited infrastructure, potentially hindering market growth.

North America currently dominates the global UCO market, largely due to legislative developments that encourage the use of waste cooking oil for sustainable fuel generation. In Europe, the European Union is also making significant efforts to increase biodiesel production, further contributing to market growth. The Asia Pacific region is expected to witness the fastest growth, driven by increasing awareness of environmental sustainability and the growing number of companies involved in UCO collection, refinement, and processing.

Major market players included in this report are:

Valley Proteins, Inc.
Grand Natural Inc.
Baker Commodities Inc.
Olleco Limited
Greasecycle LLC
ARROW OILS LTD.
Waste Oil Recyclers, Inc.
Brocklesby Limited
Oz Oils Pty Ltd.
Quatra

The detailed segments and sub-segment of the market are explained below:

By Source:

- Household Sector
- Commercial Sector

By Application:

- Biodiesel
- Oleo Chemicals
- Animal Feed
- Others

By Region:

North America

- U.S.
- Canada

Europe

- UK

- Germany
- France
- Spain
- Italy
- ROE

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- RoAPAC

Latin America

- Brazil
- Mexico
- RoLA

Middle East & Africa

- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022
- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- Annualized revenues and regional level analysis for each market segment.
- Detailed analysis of geographical landscape with Country level analysis of major regions.
- Competitive landscape with information on major players in the market.
- Analysis of key business strategies and recommendations on future market approach.
- Analysis of competitive structure of the market.
- Demand side and supply side analysis of the market.

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