

# Advanced BioFuels USA



## Diesel Decarbonization Brings Transformative Opportunities for Next Generation Biodiesel Feedstocks

undefined June 3, 2019 <https://advancedbiofuelsusa.info/diesel-decarbonization-brings-transformative-opportunities-for-next-generation-biodiesel-feedstocks/>

by William R. Thurmond (Emerging Markets Online/MENAFN) New study finds next generation feedstock markets and technologies are big winners in diesel decarbonization initiatives for low carbon fuels. In the U.S., Canada, Europe, Asia, and Latin America, strong demand signals and incentives for diesel decarbonization are driving the rapid expansion of next generation biodiesel feedstocks, technologies, and circular biorefineries to produce low-carbon biodiesel, biocrude, and renewable diesel fuels.

A new study from Emerging Markets Online, Renewable Diesel 2030, finds a remarkable increase in investment new bio-based diesel refineries to process rapidly expanding volumes of used cooking oils from Asia, tallow and animal waste products from Australasia and Latin America, and increasing volumes of lower-carbon soybean oil feedstocks benefiting from GHG technology advancements at selected farms and biorefineries in the U.S. and Latin America.

The Renewable Diesel 2030 study is also finding even great interest and investment in newer, lower-carbon, non-food, rotation and cover-crops from sustainable 'energy feedstocks' entering the bio-based diesel and biojet pools. These next-generation FOG feedstocks include brassica carinata from Canada, tall oil from forestry residues in Sweden, tobacco oils from South Africa, the aquatic feedstock salicornia from Oman in the Middle East, and pennycress in North Dakota, to name a few.

Advancements in next generation processing technologies are opening up vast new areas of low-carbon feedstocks that can be utilized in large-scale, commercial volumes, including agricultural waste, forestry residues, municipal solid waste, brown grease, trap grease, gutter oil, and plastic bottles. Each of these feedstocks is available in large volumes, but until recently could not be utilized economically. Now, these industrial waste streams are being up-cycled thanks to significant economic and technological improvements in thermocatalytic processing such as pyrolysis, FT gas to liquids, hydrothermal liquefaction, and bio-oil co-processing via hydrodeoxygenation and distillation at revamped or repurposed petroleum refineries. Next generation bio-crude and syncrude production technologies allow the production of biocrude intermediates from non-food, low-carbon feedstocks that can not be processed in traditional biodiesel production facilities.

These advancements are creating new opportunities for technology, project, and agricultural developers to access new feedstock markets to produce lower-carbon fuels.

These are some of the key findings of the new study, Renewable Diesel 2030, highlighting participation by strategic investors from agricultural growers, fleet owners, OEMs, petroleum companies, non-governmental agencies, fleet owners, airport and commercial airline enterprises in renewable diesel biorefineries. Renewable Diesel 2030 is designed to help financiers, producers, developers, distributors, consultants and analysts with a fact-filled market guide detailing medium and long-term trends and developments in the renewable diesel sector.

A table of contents and figures is available at [www.emerging-markets.com](http://www.emerging-markets.com). The Renewable Diesel 2030 study is available for purchase in single user and multiple-user versions. A pre-publication discount of 10% is available until June, 2019. PayPal payments are accepted. For more information, contact Emerging Markets Online in Houston, TX at , or visit [www.emerging-markets.com/dropinfuels](http://www.emerging-markets.com/dropinfuels) [READ MORE](#)

[Trend Alert: Diesel Engines Will Power America for a Long Time with the Help of Cleaner-Burning Biodiesel](#)  
(ACT News/Renewable Energy Group)

© 2008-2018 Copyright **Advanced BioFuels USA**. All Rights reserved.