

Biodiesel Feedstocks: Technologies, Synthesis, Efficiency and Policies

https://marketpublishers.com/r/BA215CC873F4EN.html

Date: January 2024

Pages: 126

Price: US\$ 5,500.00 (Single User License)

ID: BA215CC873F4EN

Abstracts

Report Scope:

This BCC Research report will explore the developments in the biodiesel market. The report will detail the biodiesel market by feedstock type: vegetable oils (rapeseed, palm oil, soybean oil, sunflower oil, corn oil, and used cooking oil) and animal fats. The report will also detail the market based on applications and regions. Each segment evaluation includes market size estimates for biodiesel and a forecast for growth to 2028. The report concludes with a competitive landscape of the global biodiesel market and company profiles of the various players in the area.

Report Includes:

46 data tables and 28 additional tables

An overview of the global biodiesel market for end-user applications

Analyses of the global market trends, with historical market revenue data (sales figures) for 2022, estimates for 2023, and projections of compound annual growth rates (CAGRs) through 2028

Estimate of the market size and revenue forecast for the global biodiesel market, and a corresponding market share analysis based on application, feedstock type, and region

Facts and figures pertaining to the market's drivers, restraints, opportunities and challenges



Analysis of changes in policies, technologies and feedstock in the biodiesel industry and the recent trends in the global market

Overview of the sustainability trends and ESG developments in the biodiesel market, with emphasis on consumer attitudes, ESG score analysis, case studies and the ESG practices of leading companies

Review of emerging technologies and key patent grants on biodiesel technologies and applications

An analysis of the biodiesel industry structure, including company market shares, recent M&A activity and venture funding

Profiles of the leading market players



Contents

CHAPTER 1 INTRODUCTION

Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
What's New in This Update?
Research Methodology
Information Sources
Geographic Breakdown
Market Segmentation

CHAPTER 2 SUMMARY AND HIGHLIGHTS

Market Outlook Market Summary

CHAPTER 3 MARKET OVERVIEW

Introduction
Biodiesel Generations
First-Generation Biodiesel
Second-Generation Biodiesel
Third-Generation Biodiesel
Types of Feedstocks
Vegetable Oil-Based Feedstocks
Animal Fat-Based Biodiesel
Renewable Diesel

CHAPTER 4 MARKET DYNAMICS

Market Trends
Growing Demand for Low-Carbon Intensive Feedstock
Growing Demand for Renewable Diesel
Global Growing Biodiesel Production
Market Drivers
Stringent Policies
Environmental Policies and Incentives

Biodiesel Feedstocks: Technologies, Synthesis, Efficiency and Policies



Energy Security

Market Challenges

Feedstock Availability

Fluctuating Feedstock Prices

Strong Growth of the HVO Market

Cases of Fraud Biodiesel and UCO

Market Opportunities

Growing Demand for Sustainable Aviation Fuels (SAF)

UCO Market Expansion and Potential

CHAPTER 5 EMERGING TECHNOLOGIES AND DEVELOPMENTS

Introduction
Advancement in Feedstock
Algae as Feedstock
Mixed Feedstock

FOG-based Biodiesel

CHAPTER 6 BIODIESEL MARKET BY FEEDSTOCK TYPE

Introduction

Vegetable Oil

Animal Fat

Other Waste

CHAPTER 7 BIODIESEL MARKET BY APPLICATION

Introduction

Transportation

Other Uses

CHAPTER 8 BIODIESEL MARKET BY REGION

Introduction

North America

The U.S.

Canada

Mexico

Asia-Pacific

Biodiesel Feedstocks: Technologies, Synthesis, Efficiency and Policies



EMEA

South America

CHAPTER 9 SUSTAINABILITY IN THE BIODIESEL INDUSTRY: AN ESG PERSPECTIVE

Introduction

Key ESG Issues

Environmental Issues

Social Issues

Governance Issues

Biodiesel Industry ESG Performance Analysis

Consumer Attitudes Towards ESG

ESG Practices by Companies

ESG Risks and Opportunities

Opportunities in Implementing ESG in Biodiesel Companies

Risks in Implementing ESG in Biofuel Companies

Case Study

ESG Performance of Valero: Driving Sustainable Innovation in the Biodiesel Industry Concluding Remarks from BCC

CHAPTER 10 PATENT ANALYSIS

Overview

Patents, by Major Biodiesel Companies

CHAPTER 11 M&A AND VENTURE FUNDING OUTLOOK

Mergers & Acquisitions Investments in Biodiesel

CHAPTER 12 COMPETITIVE INTELLIGENCE

Competitive Landscape

Biodiesel Producers

Biofuel and Renewable Fuel Producers

Large Fossil Fuel and Diesel Producers

Diversified Producers and Manufacturers

Key Technology Vendors in the Biofuel Space

Biodiesel Feedstocks: Technologies, Synthesis, Efficiency and Policies



Market Share Analysis
Strategic Analysis
Diversified Feedstocks
Technological Advancement
Collaboration and Expansion
Product Diversification
Vertical Integration

CHAPTER 13 COMPANY PROFILES

Introduction
Company Profiles
AG PROCESSING INC.
ARCHER DANIELS MIDLAND CO. (ADM)
ARGENT ENERGY
AVRIL GROUP
CARGILL INC.
CHEVRON RENEWABLE ENERGY GROUP
ENI S.P.A.
HF SINCLAIR CORP.
NESTE OYJ
POET LLC.

CHAPTER 14 APPENDIX: ACRONYMS

Acronyms Used in the Report



List Of Tables

LIST OF TABLES

Summary Table: Global Market for Biodiesel, by Feedstock Type, Through 2028

Table 1: Approximate Oil Yield per Year of Common Crops, 2022

Table 2: UCO Based Biodiesel Volume in the U.S., 2021-2022

Table 3: Largest Hydrogenation-Derived Renewable Diesel (HDRD) Producers in the EU, 2022

Table 4: Proposed Taxation for Motor Fuels

Table 5: Proposed Target for SAF Regulation

Table 6: Microalgae and Oil Content

Table 7: Global Market for Biodiesel, by Feedstock Type, Through 2028

Table 8: Global Market for Vegetable Oil-based Feedstocks, by Region, Through 2028

Table 9: Global Market for Animal Fat-based Feedstocks, by Region, Through 2028

Table 10: Global Market for Other Waste-based Feedstocks, by Region, Through 2028

Table 11: Global Market for Biodiesel, by Application, Through 2028

Table 12: Global Market for Transportation Application of Biodiesel, by Region,

Through 2028

Table 13: Global Market for Other Applications of Biodiesel, by Region, Through 2028

Table 14: Biodiesel Production & Consumption Share & Ranking by Country/Region, 2022

Table 15: Global Market Volumes of Biodiesel, Through 2028

Table 16: Global Market for Biodiesel, Through 2028

Table 17: Global Market for Biodiesel, by Region, Through 2028

Table 18: Canadian Volume Market for Biodiesel and Renewable Diesel Consumption, 2019-2023

Table 19: North American Market for Biodiesel, by Country, Through 2028

Table 20: U.S. Biodiesel Feedstock Share, 2021-2022

Table 21: North American Market for Biodiesel, by Feedstock Type, Through 2028

Table 22: North American Market for Biodiesel, by Application, Through 2028

Table 23: Asia-Pacific Market for Biofuels, by Country, Through 2028

Table 24: Asia-Pacific Biodiesel Feedstock Share, 2021 and 2022

Table 25: Asia-Pacific Market for Biodiesel, by Feedstock Type, Through 2028

Table 26: Asia-Pacific Market for Biodiesel, by Application, Through 2028

Table 27 : EU Volume Market for Biodiesel and Renewable Diesel Production,

2019-2023

Table 28: Major Renewable Diesel Producing Countries, 2019-2023

Table 29: EMEA Market for Biodiesel, by Country, Through 2028



Table 30: The EU Biodiesel Feedstock Share, 2021 and 2022

Table 31: EMEA Market for Biodiesel, by Feedstock Type, Through 2028

Table 32: EMEA Market for Biodiesel, by Application, Through 2028

Table 33: South American Volume Market for Biodiesel Production and Consumption,

by Leading Countries, 2019-2023

Table 34: South American Market for Biodiesel, by Country, Through 2028

Table 35: Brazilian Biodiesel Feedstock Share, 2021 and 2022

Table 36: South American Market for Biodiesel, by Feedstock Type, Through 2028

Table 37: South American Market for Biodiesel, by Application, Through 2028

Table 38: Environment Performance of Biofuel Companies

Table 39 : Social Performance of Biofuel Companies

Table 40 : Governance Performance of Biofuel Companies

Table 41: ESG Related Investments, by Valero

Table 42: Top Biodiesel Patent Applicants, by Assignee Company, 2021-2023

Table 43: Major Active Patents on Biodiesel, 2021-2023

Table 44: PM&A Activities in Biofuel Industry, 2022 and 2023

Table 45: Largest Biodiesel Producers in the U.S., as of January 2023

Table 46: Largest Renewable Diesel Producers in EU

Table 47: Ag Processing Inc.: Company Snapshot

Table 48: Ag Processing Inc.: News, 2021-2023

Table 49: Archer Daniels Midland Co. (ADM): Company Snapshot

Table 50: Archer Daniels Midland Co. (ADM): Annual Revenue, 2022

Table 51: Archer Daniels Midland Co. (ADM): News, 2021-2023

Table 52: Argent Energy: Company Snapshot

Table 53: Argent Energy: News, 2022 and 2023

Table 54: Avril Group: Company Snapshot

Table 55: Avril Group: News, 2022 and 2023

Table 56: Cargill Inc.: Company Snapshot

Table 57: Cargill Inc.: News, 2021-2023

Table 58: Chevron Renewable Energy Group: Company Snapshot

Table 59: Chevron Renewable Energy Group: Annual Revenue, 2022

Table 60: Chevron Renewable Energy Group: News, 2022

Table 61: Chevron Renewable Energy Group: Biofuel Product Portfolio

Table 62: ENI S.p.A.: Company Snapshot

Table 63: ENI S.p.A.: Annual Revenue, 2022

Table 64: ENI S.p.A.: News, 2023

Table 65: HF Sinclair Corp.: Company Snapshot

Table 66: HF Sinclair Corp.: Annual Revenue, 2022

Table 67: HF Sinclair Corp.: News, 2023



Table 68 : Neste Oyj: Company Snapshot

Table 69: Neste Oyj: Annual Revenue, 2022

Table 70 : Neste Oyj: News, 2023

Table 71 : POET LLC: Company Snapshot

Table 72: POET LLC: News, 2021-2023

Table 73: Acronyms Used in the Report



List Of Figures

LIST OF FIGURES

Summary Figure : Global Market for Biodiesel, by Feedstock Type, 2022-2028

Figure 1 : Biodiesel Feedstocks: Market Dynamics

Figure 2: Global Market Shares of Biodiesel, by Feedstock Type, 2022

Figure 3: Global Market Shares of Vegetable Oil-based Feedstocks, by Region, 2022

Figure 4: Global Market Shares of Animal Fat-based Feedstocks, by Region, 2022

Figure 5 : Global Market Shares of Other Waste-based Feedstocks, by Region, 2022

Figure 6 : Global Market Shares of Biodiesel, by Application, 2022

Figure 7: Global Market Shares of Transportation Application of Biodiesel, by Region, 2022

Figure 8: Global Market Shares of Other Applications of Biodiesel, by Region, 2022

Figure 9: Global Market Volumes of Biodiesel, 2022-2028

Figure 10: Global Market for Biodiesel, 2022-2028

Figure 11: Global Market Shares of Biodiesel, by Region, 2022

Figure 12 : U.S. Volume Market for Biodiesel and Renewable Diesel Consumption, 2020-2022

Figure 13: North American Market Shares of Biodiesel, by Country, 2022

Figure 14: North American Market Shares of Biodiesel, by Feedstock Type, 2022

Figure 15: North American Market Shares of Biodiesel, by Application, 2022

Figure 16: Asia-Pacific Market Shares of Biodiesel, by Country, 2022

Figure 17: Asia-Pacific Market Shares of Biodiesel, by Feedstock Type, 2022

Figure 18: Asia-Pacific Market Shares of Biodiesel, by Application, 2022

Figure 19: EMEA Market Shares of Biofuels, by Country, 2022

Figure 20: EMEA Market Shares of Biodiesel, by Feedstock Type, 2022

Figure 21: EMEA Market Shares of Biodiesel, by Application, 2022

Figure 22: South American Market Shares of Biodiesel, by Country, 2022

Figure 23: South American Market Shares of Biodiesel, by Feedstock Type, 2022

Figure 24: South American Market Shares of Biodiesel, by Application, 2022

Figure 25: ESG Issues in the Biodiesel Industry

Figure 26: Opportunities and Risks in Implementing ESG

Figure 27: Average Annual Global Biodiesel Investments, 2010-2023 (Est.)

Figure 28 : Cumulative Investment, by Region, 2010-2022

Figure 29: Archer Daniels Midland Co. (ADM): Annual Revenue, 2021 and 2022

Figure 30: Archer Daniels Midland Co. (ADM): Revenue Share, by Business Unit, 2022

Figure 31: Archer Daniels Midland Co. (ADM): Revenue Share, by Country, 2022

Figure 32: Chevron Renewable Energy Group: Annual Revenue, 2021 and 2022



Figure 33: Chevron Renewable Energy Group: Revenue Share, by Business Unit, 2022

Figure 34: Chevron Renewable Energy Group: Revenue Share, by Country/Region,

2022

Figure 35: ENI S.p.A.: Annual Revenue, 2021 and 2022

Figure 36: ENI S.p.A.: Revenue Share, by Business Unit, 2022

Figure 37 : ENI S.p.A.: Revenue Share, by Country/Region, 2022

Figure 38: HF Sinclair Corp.: Annual Revenue, 2021 and 2022

Figure 39: HF Sinclair Corp.: Revenue Share, by Business Unit, 2022

Figure 40: HF Sinclair Corp.: Revenue Share, by Region, 2022

Figure 41: Neste Oyj: Annual Revenue, 2021 and 2022

Figure 42: Neste Oyj: Revenue Share, by Business Unit, 2022

Figure 43: Neste Oyj: Revenue Share, by Region/Country, 2022



I would like to order

Product name: Biodiesel Feedstocks: Technologies, Synthesis, Efficiency and Policies

Product link: https://marketpublishers.com/r/BA215CC873F4EN.html

Price: US\$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/BA215CC873F4EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970