

Estimates of Global HVO supply capacity for countries without accurate production information

Source: Argus, Biobased Daily, US Department of Energy, US Department of Agriculture, EcoCeres press release

in Tonnes	2022	2023	2024	2025	Notes
United States	8.678.096,72	11.388.710,12	13.931.017,46	14.805.027,88	See US sheet
European Union	5.021.060,84	5.452.418,10	6.149.765,99	6.248.829,95	See EU sheet
Singapore	1.300.000,00	1.516.666,67	2.600.000,00	2.600.000,00	See Singapore sheet
China	1.560.062,40	1.716.068,64	1.950.078,00	2.340.093,60	See China sheet
Canada	-	132.605,30	775.351,01	1.856.474,26	See Canada Sheet
Malaysia	-	-	-	420.000,00	See Malaysia sheet
South Korea	-	-	100.000,00	250.000,00	RTFA information
Indonesia	150.000,00	150.000,00	150.000,00	200.000,00	RTFA information
Brazil	100.000,00	100.000,00	200.000,00	200.000,00	RTFA information
Thailand	40.000,00	40.000,00	40.000,00	40.000,00	RTFA information
Total	16.849.220	20.496.469	25.896.212	28.960.426	
Share of the United States (%)	52%	56%	54%	51%	

Production of HVO by member States and the European Union

source: USDA, GAIN Report, Biofuels Annual, European Union 2025

MT	2023	2024	2025
Netherlands	1.035.101	1.049.922	1.049.922
Spain	520.281	663.027	741.030
Italy	634.945	639.626	649.766
France	500.000	500.000	500.000
Finland	471.919	470.359	470.359
Sweden	287.832	250.390	450.078
Other	26.521	46.022	70.203
Total	3.476.599	3.619.345	3.931.357

Production Capacity

Million liters	2023	2024	2025
Netherlands	1.327	1.346	1.346
Spain	667	850	950
Italy	814	820	833
France	641	641	641
Finland	605	603	603
Sweden	369	321	577
Other	34	59	90
Total	4.457	4.640	5.040

	2022	2023	2024	2025
Million Liters	6.437	6.990	7.884	8.011
MT	5.021.061	5.452.418	6.149.766	6.248.830
Demand:	3.400.000	3.700.000	3.100.000	3.200.000
Spare Capacity				3.048.830
UK Consumption				442.000
UK Consumption as percentage of Spare Capacity				14%
UK Consumption as percentage of Total Capacity				7%

Conversion rate 1 MT of HDRD =

<https://ebb-eu.org/wp-content/uploads/2025/07/EBB-Statistical-Report-2024.pdf>
1282 Liters Source USGAIN, includes SAF

Bangchak 1 Million liters per day
365 days
1000000
365000000 Liters per year
284.711

Production of biodiesel, renewable diesel and SAF in China

source: GAIN Report, Biofuels Annual China, 2025, p. 30

Production capacity (China)

MT	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025e
HVO	0	0	0	0	390.016	780.031	1.560.062	1.716.069	1.950.078	2.340.094
Litres					5E+08	1000000000	2000000000	2200000000	2500000000	3000000000

Data as reported by the GAIN Report
 source: GAIN Report, China Biofuels Annual 2025

Capacity

Million liters	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025 ESTIMATE
HVO	0	0	0	0	500	1000	2000	2200	2500	3000

Liters	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025 ESTIMATE
HVO	0	0	0	0	500000000	1000000000	2000000000	2200000000	2500000000	3000000000

1 MT Biodiesel =	1136
1 MT of HDRD =	1282

Singapore production capacity of Neste for HVO

source: Neste Website

<https://www.neste.com/about-neste/how-we-operate/production/singapore-refinery>

MT	2022	2023	2024	2025	Litres	2023	2024	2025
Total capacity	1.300.000,00	1.516.667	2.600.000	2.600.000 including	€ Total capacity	1.944.366.667	3.333.200.000	3.333.200.000

2023 started operating in April. Total Capacity reduced to the 7 operational months
Original capacity before 2023 ex 1.300.000,00

The expanded refinery increases the Singapore refinery's total production capacity to 2.6 million tons annually, including up to 1 million tons of sustainable aviation fuel (since 2023)
<https://www.neste.com/about-neste/how-we-operate/production/singapore-refinery>

Global Production of HVO from Neste - Neste HVO facilities are Porvoo (Finland), Rotterdam (the Netherlands) and Singapore

Source: Neste 2025 Annual Report

https://www.neste.com/files/pdf/3zHO401Kf2W4YihDtm9uNK-Neste_Annual_Report_2025.pdf

MT	2025	2024
Production	3.313.000	2.981.000

Source
Annual Report p.81

Canada HVO production capacity

source: US Department of Agriculture, Biofuels Annual GAIN, 2025

https://www.fas.usda.gov/data/gain-report/2026/02/Biofuels%20Annual_Ottawa_Canada_CA2025-0045.pdf

MT	2022	2023	2024	2025
Capacity	0	132.605	775.351	1.856.474

Original data in million liters

Capacity	2022	2023	2024	2025
million liters	0	170	994	2380

Conversion rate 1 MT of HDRD = 1282 Liters

Source p.30 of the Report

Production capacity of EcoCeres plant in Malaysia

source: *EcoCeres press release*

<https://www.ecoceres.com/en/news/view?id=85>

Facility was already producing at the end of 2025

MT	2025
Capacity	420.000
Litres	538440000

Production capacity of HVO in South Korea

Source: *Biofuels news and RTFA market intelligence*

<https://biofuels-news.com/news/work-begins-on-new-hvo-plant-in-south-korea/>

	2024	2025 Capacity includes SAF
Production capacity in MT	100.000	250.000
Litres	128200000	320500000

Indonesia production capacity for HVO

source: Argus, other media and RTFA market intelligence

<https://www.argusmedia.com/en/news-and-insights/latest-market-news/2123619-pertamina-starts-producing-b100-biodiesel-at-dumai>

<https://biofuelsdigest.com/indonesia-to-boost-saf-and-hvo-production-from-uco/>

	2022	2023	2024	2025	
Capacity	150.000	150.000	150.000	200.000	MT
	192.300.000	192.300.000	192.300.000	256.400.000	Litres

Thailand production capacity for HVO

source: USGAIN and RTFA market intelligence

	2022	2023	2024	2025
Capacity	40.000	40.000	40.000	40.000 MT
	51.280.000	51.280.000	51.280.000	51.280.000 Litres

Reports of 3.320(million Litres) capac 2589703,6 in Tonnes

https://apps.fas.usda.gov/newgainapi/api/Report/DownloadReportByFileName?fileName=Biofuels%20Annual_Bangkok_Thailand_TH2024-0032.pdf

Brazil production capacity for HVO

source: Argus (RD/HVO operational capacity Report) and RTFA market intelligence

	2022	2023	2024	2025	
Capacity	100.000	100.000	200.000	200.000	MT
	128.200.000	128.200.000	256.400.000	256.400.000	Litres