

Table 10.4a Biodiesel Overview

	Feed-stock ^b	Losses and Co-products ^c	Production ^a			Trade ^a			Stocks ^{a,e}	Stock Change ^{a,f}	Consumption ^{a,g}		
						Imports	Exports	Net Imports ^d					
			TBtu	TBtu	Mbbl	MMgal	TBtu	Mbbl			Mbbl	Mbbl	Mbbl
2001 Total	1	(s)	204	9	1	81	41	40	NA	NA	244	10	1
2005 Total	12	(s)	2,162	91	12	214	213	1	NA	NA	2,163	91	12
2010 Total	44	1	8,177	343	44	564	2,588	-2,024	672	-39	6,192	260	33
2011 Total	125	2	23,035	967	123	890	1,799	-908	2,005	^h 1,028	21,099	886	113
2012 Total	128	2	23,588	991	126	853	3,056	-2,203	1,984	-20	21,406	899	115
2013 Total	176	2	32,368	1,359	173	8,152	4,675	3,477	3,810	1,825	34,020	1,429	182
2014 Total	165	2	30,452	1,279	163	4,578	1,974	2,604	3,131	-679	33,735	1,417	181
2015 Total	163	2	30,080	1,263	161	8,399	2,091	6,308	3,943	813	35,575	1,494	191
2016 Total	203	3	37,327	1,568	200	16,879	2,098	14,781	6,398	2,454	49,653	2,085	266
2017 Total	206	3	37,993	1,596	204	9,374	2,228	7,146	4,268	-2,130	47,269	1,985	253
2018 Total	240	3	44,222	1,857	237	3,969	2,470	1,499	4,662	394	45,326	1,904	243
2019 Total	223	3	41,060	1,725	220	4,078	2,730	1,348	3,907	-756	43,163	1,813	231
2020 Total	235	3	43,207	1,815	232	4,684	3,458	1,226	3,665	-241	44,675	1,876	239
2021 Total	221	3	40,686	1,709	218	5,005	4,452	553	4,187	522	40,717	1,710	218
2022 January	16	(s)	2,857	120	15	388	209	179	4,544	356	2,680	113	14
February	15	(s)	2,707	114	15	121	124	-3	4,457	-86	2,790	117	15
March	17	(s)	3,161	133	17	636	171	465	4,692	234	3,391	142	18
April	16	(s)	3,018	127	16	672	632	40	4,212	-479	3,537	149	19
May	18	(s)	3,242	136	17	315	699	-384	3,839	-373	3,230	136	17
June	18	(s)	3,265	137	17	346	589	-243	3,404	-435	3,458	145	19
July	19	(s)	3,490	147	19	284	625	-341	3,240	-164	3,313	139	18
August	19	(s)	3,519	148	19	371	831	-460	2,894	-347	3,405	143	18
September	18	(s)	3,350	141	18	405	641	-236	2,826	-67	3,182	134	17
October	19	(s)	3,464	145	19	658	468	190	2,903	77	3,577	150	19
November	18	(s)	3,384	142	18	903	221	682	3,232	329	3,737	157	20
December	17	(s)	3,164	133	17	851	462	389	3,608	376	3,178	133	17
Total	210	3	38,620	1,622	207	5,950	5,671	279	3,608	-580	39,478	1,658	212
2023 January	18	(s)	3,275	138	18	930	164	766	4,402	794	3,247	136	17
February	15	(s)	2,841	119	15	952	150	802	4,886	485	3,158	133	17
March	18	(s)	3,316	139	18	916	261	655	5,133	246	3,725	156	20
April	17	(s)	3,176	133	17	1,000	1,141	-141	4,957	-175	3,210	135	17
May	20	(s)	3,685	155	20	832	758	74	4,487	-470	4,229	178	23
June	19	(s)	3,588	151	19	1,016	839	177	3,998	-490	4,255	179	23
July	20	(s)	3,623	152	19	725	691	34	3,753	-245	3,901	164	21
August	19	(s)	3,449	145	18	991	553	438	3,622	-130	4,018	169	22
September	19	(s)	3,438	144	18	1,280	410	870	3,629	6	4,302	181	23
October	19	(s)	3,495	147	19	1,017	451	566	3,505	-124	4,185	176	22
November	18	(s)	3,231	136	17	1,239	361	878	3,655	149	3,959	166	21
December	18	(s)	3,286	138	18	1,031	391	640	3,813	159	3,767	158	20
Total	219	3	40,401	1,697	217	11,929	6,169	5,760	3,813	206	45,955	1,930	246
2024 January	16	(s)	3,028	127	16	1,179	122	1,057	4,205	ⁱ 378	3,707	156	20
February	16	(s)	2,989	126	16	1,572	213	1,359	4,564	359	3,989	168	21
March	18	(s)	3,230	136	17	658	326	332	4,401	-163	3,725	156	20
April	17	(s)	3,180	134	17	1,452	428	1,024	4,413	12	4,191	176	22
May	19	(s)	3,406	143	18	878	504	374	4,185	-228	4,008	168	21
June	18	(s)	3,370	142	18	721	480	241	3,728	-458	4,069	171	22
July	19	(s)	3,478	146	19	599	627	-28	3,373	-355	3,804	160	20
August	19	(s)	3,482	146	19	551	581	-30	3,200	-174	3,625	152	19
September	18	(s)	3,361	141	18	604	482	122	3,165	-35	3,518	148	19
October	19	(s)	3,449	145	18	505	379	126	3,007	-158	3,733	157	20
November	19	(s)	3,446	145	18	505	120	385	3,309	302	3,530	148	19
December	18	(s)	3,381	142	18	768	137	631	3,552	244	3,769	158	20
Total	216	3	39,798	1,672	213	9,992	4,399	5,593	3,552	ⁱ -275	45,667	1,918	245

^a Data are for "biodiesel," which is primarily fatty acid methyl esters (FAME). See "Biodiesel" in Glossary.

^b Total vegetable oil and other biomass inputs to the production of biodiesel. See "Biodiesel Feedstock" entry in the "Thermal Conversion Factor Source Documentation" at the end of Appendix A.

^c Losses and co-products from the production of biodiesel. Does not include natural gas, electricity, and other non-biomass energy used in the production of biodiesel—these are included in the industrial sector consumption statistics for the appropriate energy source.

^d Net imports equal imports minus exports.

^e Stocks are at end of period. Includes biodiesel stocks at (or in) refineries, pipelines, and bulk terminals. Beginning in 2011, also includes stocks at biodiesel production plants.

^f A negative value indicates a decrease in stocks and a positive value indicates an increase.

^g In 2009, because of incomplete data coverage and differing data sources, a "Balancing Item" amount of 733 thousand barrels (653 thousand barrels in January 2009; 80 thousand barrels in February 2009) is used to balance biodiesel supply

and disposition.

^h Derived from the final 2010 stocks value for bulk terminals and biodiesel production plants (977 thousand barrels), not the final 2010 value for bulk terminals only (672 thousand barrels) that is shown under "Stocks."

ⁱ Derived from the preliminary 2023 stocks value (3,827 thousand barrels), not the final 2023 value (3,813 thousand barrels) that is shown under "Stocks."

NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • Mbbl = thousand barrels. MMgal = million U.S. gallons. TBtu = trillion Btu. • Biodiesel data in thousand barrels are converted to million gallons by multiplying by 0.042, and are converted to Btu by multiplying by 5,359 million Btu per barrel (the approximate heat content of biodiesel—see Table A1). • Through 2000, data are not available. Beginning in 2001, data not from EIA surveys are estimates. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#renewable> (Excel and CSV files) for all available annual and monthly data beginning in 2001.

Sources: See end of section.