

Table 10.4 Biodiesel Overview

	Feed-stock ^a	Losses and Co-products ^b	Production			Trade			Stocks ^d	Stock Change ^e	Balancing Item ^f	Consumption		
						Imports	Exports	Net Imports ^c						
			TBtu	TBtu	Mbbl	MMgal	TBtu	Mbbl				Mbbl	Mbbl	Mbbl
2001 Total	1	(s)	204	9	1	78	39	39	NA	NA	NA	243	10	1
2002 Total	1	(s)	250	10	1	191	56	135	NA	NA	NA	385	16	2
2003 Total	2	(s)	338	14	2	94	110	-16	NA	NA	NA	322	14	2
2004 Total	4	(s)	666	28	4	97	124	-26	NA	NA	NA	640	27	3
2005 Total	12	(s)	2,162	91	12	207	206	1	NA	NA	NA	2,163	91	12
2006 Total	32	(s)	5,963	250	32	1,069	828	242	NA	NA	NA	6,204	261	33
2007 January	4	(s)	692	29	4	237	103	135	NA	NA	NA	827	35	4
February	3	(s)	564	24	3	148	173	-25	NA	NA	NA	539	23	3
March	4	(s)	775	33	4	114	293	-179	NA	NA	NA	596	25	3
April	4	(s)	765	32	4	179	605	-426	NA	NA	NA	339	14	2
May	5	(s)	958	40	5	110	543	-432	NA	NA	NA	526	22	3
June	5	(s)	943	40	5	364	418	-54	NA	NA	NA	889	37	5
July	7	(s)	1,237	52	7	269	895	-626	NA	NA	NA	611	26	3
August	7	(s)	1,298	55	7	409	644	-236	NA	NA	NA	1,062	45	6
September	7	(s)	1,224	51	7	299	515	-215	NA	NA	NA	1,008	42	5
October	6	(s)	1,188	50	6	428	583	-155	NA	NA	NA	1,033	43	6
November	5	(s)	993	42	5	245	965	-720	NA	NA	NA	273	11	1
December	6	(s)	1,026	43	5	539	741	-202	NA	NA	NA	824	35	4
Total	63	1	11,662	490	62	3,342	6,477	-3,135	NA	NA	NA	8,528	358	46
2008 January	7	(s)	1,369	58	7	598	1,100	-501	NA	NA	NA	868	36	5
February	7	(s)	1,228	52	7	838	1,384	-546	NA	NA	NA	683	29	4
March	7	(s)	1,359	57	7	274	1,172	-898	NA	NA	NA	461	19	2
April	8	(s)	1,451	61	8	688	1,592	-904	NA	NA	NA	547	23	3
May	8	(s)	1,478	62	8	513	1,364	-850	NA	NA	NA	628	26	3
June	9	(s)	1,653	69	9	512	1,758	-1,246	NA	NA	NA	406	17	2
July	10	(s)	1,835	77	10	526	1,421	-894	NA	NA	NA	941	40	5
August	10	(s)	1,856	78	10	907	1,606	-699	NA	NA	NA	1,157	49	6
September	9	(s)	1,716	72	9	908	1,452	-544	NA	NA	NA	1,173	49	6
October	9	(s)	1,675	70	9	721	1,333	-612	NA	NA	NA	1,064	45	6
November	9	(s)	1,645	69	9	612	1,181	-569	NA	NA	NA	1,076	45	6
December	7	(s)	1,203	51	6	404	766	-362	NA	NA	NA	841	35	5
Total	100	1	18,468	776	99	7,502	16,128	-8,626	NA	NA	NA	9,842	413	53
2009 January	4	(s)	795	33	4	304	1,150	-846	57	57	137	29	1	(s)
February	5	(s)	846	36	5	158	1,166	-1,009	119	62	254	29	1	(s)
March	4	(s)	767	32	4	383	203	180	357	238	0	709	30	4
April	5	(s)	912	38	5	52	154	-102	389	32	0	778	33	4
May	5	(s)	929	39	5	117	417	-300	375	-14	0	643	27	3
June	5	(s)	904	38	5	138	366	-229	367	-8	0	683	29	4
July	6	(s)	1,077	45	6	58	581	-523	309	-58	0	611	26	3
August	7	(s)	1,214	51	7	126	397	-271	317	8	0	935	39	5
September	6	(s)	1,123	47	6	123	224	-101	222	-95	0	1,117	47	6
October	7	(s)	1,292	54	7	159	424	-265	439	217	0	811	34	4
10-Month Total ...	54	1	9,858	414	53	1,616	5,082	-3,466	439	439	391	6,344	266	34
2008 10-Month Total ...	85	1	15,621	656	84	6,486	14,181	-7,695	NA	NA	NA	7,926	333	42
2007 10-Month Total ...	52	1	9,644	405	52	2,558	4,772	-2,214	NA	NA	NA	7,430	312	40

^a Total vegetable oil and other biomass inputs to the production of biodiesel.
^b 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.
^c Net imports equal imports minus exports.
^d Stocks are at end of period.
^e A negative value indicates a decrease in stocks and a positive value indicates an increase.
^f Beginning in 2009, because of incomplete data coverage and different data sources, "Balancing Item" is used to balance biodiesel supply and disposition. 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 trillion Btu by multiplying by 0.005359 (the approximate heat content of biodiesel—see Table A3). For other conversion factors related to biodiesel, see Table A3 (columns 11 and 12, and footnote "h").
 • Through 2000, data are not available. Beginning in 2001, data 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.doe.gov/emeu/mer/renew.html> for all available data beginning in 2001.
 Sources: • **Feedstock:** Calculated as biodiesel production in thousand barrels multiplied by 0.005433 (the biodiesel feedstock factor—see Table A3).
 • **Losses and Co-products:** Calculated as biodiesel feedstock minus biodiesel production.
 • **Production:** 2001-2005—U.S. Department of Agriculture,

Commodity Credit Corporation, Bioenergy Program records. Annual data are derived from quarterly data. Monthly data are estimated by dividing the annual data by the number of days in the year and then multiplying by the number of days in the month. 2006—U.S. Department of Commerce, Bureau of the Census, "M311K - Fats and Oils: Production, Consumption, and Stocks," data for soybean oil consumed in methyl esters (biodiesel). In addition, the U.S. Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting, estimates that 14.4 million gallons of yellow grease were consumed in methyl esters (biodiesel). 2007 forward—U.S. Department of Commerce, Bureau of the Census, "M311K - Fats and Oils: Production, Consumption, and Stocks," data for all fats and oils consumed in methyl esters (biodiesel). • **Trade:** U.S. Department of Agriculture, imports data for Harmonized Tariff Schedule code 3824.90.40.20 (Fatty Esters Animal/Vegetable/Mixture), and exports data for Schedule B code 3824.90.40.00 (Fatty Substances Animal/Vegetable/Mixture). Although these categories include products other than biodiesel (such as those destined for soaps, cosmetics, and other items), biodiesel is the largest component. In the absence of other reliable data for biodiesel trade, EIA sees these data as good estimates. • **Stocks and Stock Change:** EIA, *Petroleum Supply Monthly (PSM)*, monthly reports, Table 1, data for renewable fuels except fuel ethanol. • **Balancing Item:** Calculated as biodiesel consumption and biodiesel stock change minus biodiesel production and biodiesel net imports. • **Consumption:** 2001-2008—Calculated as biodiesel production plus biodiesel net imports. **January and February 2009—EIA, PSM,** monthly reports, Table 1, data for refinery and blender net inputs of renewable fuels except fuel ethanol. **March 2009 forward—**Calculated as biodiesel production plus biodiesel net imports minus biodiesel stock change.