

Table 10.4 Biodiesel Overview, 2001-2008

Year	Feedstock ¹	Losses and Co-products ²	Production			Trade			Stocks	Stock Change	Consumption		
						Imports	Exports	Net Imports ³					
			Trillion Btu	Trillion Btu	Thousand Barrels	Million Gallons	Trillion Btu	Thousand Barrels			Thousand Barrels	Thousand Barrels	Thousand Barrels
2001	1	(s)	204	9	1	78	39	39	NA	NA	243	10	1
2002	1	(s)	250	10	1	191	56	135	NA	NA	385	16	2
2003	2	(s)	338	14	2	94	110	-16	NA	NA	322	14	2
2004	4	(s)	666	28	4	97	124	-26	NA	NA	640	27	3
2005	12	(s)	2,162	91	12	207	206	1	NA	NA	2,163	91	12
2006	32	(s)	5,963	250	32	1,069	828	242	NA	NA	6,204	261	33
2007	^R 63	1	^R 11,662	^R 490	^R 62	3,342	6,477	-3,135	NA	NA	8,528	358	46
2008 ^P	88	1	16,251	683	87	7,502	16,128	-8,626	NA	NA	7,624	320	41

¹ Total vegetable oil and other biomass inputs to the production of biodiesel.

² 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.

³ Net imports equal imports minus exports.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • 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 8). • Through 2000, data are not available. Beginning in 2001, data are estimates. • Totals may not equal sum of components due to independent rounding.

Web Page: For related information, see <http://www.census.gov/cir/www/311/m311k.html>.

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. • 2006—U.S. Department of Commerce, Bureau of the Census, "M311K - Fats and Oils: Production, Consumption, and Stocks," Table 3A, data for soybean oil consumed in methyl esters (biodiesel). In addition, the 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 and 2008—U.S. Department of Commerce, Bureau of the Census, "M311K - Fats and Oils: Production, Consumption, and Stocks," Table 3A, 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. **Consumption:** Calculated as biodiesel production plus biodiesel net imports.