	Fuel Ethanol														Biodiesel				
	Feed- stock ¹	Losses and Co-products ²	Production			Net Imports ³		Stocks ⁴	Stock Change ⁵		Consumption			Feed- stock ⁶	Losses and Co-products ⁷	Production ⁸			
Year	TBtu	TBtu	Mbbl	MMgal	TBtu	Mbbl	TBtu	Mbbl	Mbbl	TBtu	Mbbl	MMgal	TBtu	TBtu	TBtu	Mbbl	MMgal	TBtu	
1981 1982	13 35	6 16	1,978 5,369	83 225	7 19	NA NA	NA NA	NA NA	NA NA	NA NA	1,978 5,369	83 225	7 19	NA NA	NA NA	NA NA	NA NA	NA NA	
1983 1984 1985	63 77 03	28 34 41	9,890 12,150 14,693	415 510 617	35 43 52	NA NA	NA NA	NA NA	NA NA	NA NA	9,890 12,150 14,693	415 510 617	35 43 52	NA NA	NA NA	NA NA	NA NA	NA NA	
1986 1987	107 123	47 54	16,954 19,497	712 819	60 69	NA	NA	NA	NA NA	NA	16,954 19,497	712 819	60 69	NA	NA NA	NA NA	NA	NA	
1988 1989 1990	124 126 111	54 55 48	19,780 20,062 17,802	831 843 748	70 71 63	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	19,780 20,062 17,802	831 843 748	70 71 63	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	
1991 1992	129 146	56 63	20,627 23,453	866 985	73 83	NA	NA NA	NA 1,791	NA	NA	20,627 23,453	866 985	73 83	NA	NA NA	NA NA	NA NA	NA NA	
1993 1994 1995	171 190 200	74 82 86	27,484 30,689 32,325	1,154 1,289 1,358	97 109 114	244 279 387	1 1 1	2,114 2,393 2 186	323 279 -207	1 1 -1	27,405 30,689 32,919	1,151 1,289 1,383	97 109 117	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	
1996 1997	143 190	61 81	23,178 30,674	973 1,288	82 109	313 85	1 (s)	2,065 2,925	-121 860	(s) 3	23,612 29,899	992 1,256	84 106	NA NA	NA NA	NA NA	NA NA	NA NA	
1998 1999 2000	206 215 238	88 92 101	33,453 34,881 38,627	1,405 1,465 1,622	118 123 137	66 87 116	(s) (s)	3,406 4,024 3,400	481 618 -624	2 2 -2	33,038 34,350 39,367	1,388 1,443 1,653	117 122 139	NA NA	NA NA	NA NA	NA NA NA	NA NA	
2000 2001 2002	259 313	110 133	42,028 50,956	1,765 2,140	149 180	315 306	(3)	4,298 6,200	898 1,902	3	41,445 49,360	1,741 2,073	147 175	1	(s) (s)	204 250	9	1	
2003 2004	410 497	174 210	66,772 81,058	2,804 3,404	236 287	292 3,542	1 13	5,978 6,002	-222 24	-1 (s)	67,286 84,576	2,826 3,552	238 299	2 ^R 4	(s) (s)	^R 338 666	14 28	2 ^R 4	
2005 2006 2007 ^P	570 ^R 712 924	241 ^R 301 378	92,961 ^R 116,294 154,416	3,904 4,884 6,485	329 ^R 412 546	3,234 ^R 17,408 10,348	11 ^R 62 37	5,563 ^R 8,760 10,509	-439 ^R 3,197 1,749	-2 11 6	96,634 ^R 130,505 163,002	4,059 5,481 6,846	342 ^R 462 577	R32 64	(S) ^R (S) 1	2,162 ^R 5,963 11,691	91 250 491	¹² ^R 32 63	

Table 10.3 Fuel Ethanol and Biodiesel Overview, 1981-2007

¹ Total corn and other biomass inputs to the production of fuel ethanol.

² Losses and co-products from the production of fuel ethanol. Does not include natural gas, electricity, and other non-biomass energy used in the production of fuel ethanol—these are included in the industrial sector consumption statistics for the appropriate energy source.

³ Fuel ethanol imports only. Data for fuel ethanol exports are not available.

⁴ Stocks are at end of year.

⁵ A negative number indicates a decrease in stocks and a positive number indicates an increase.

⁶ Total vegetable oil and other biomass inputs to the production of biodiesel.

⁷ 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.

⁸ Production of biofuels for use as diesel fuel substitutes or additives. Biodiesel consumption equals biodiesel production.

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

Notes: • Mbbl = thousand barrels. MMgal = million U.S. gallons. TBtu = trillion Btu. • Totals may not equal sum of components due to independent rounding.

Web Pages: For related information, see http://www.eia.doe.gov/oil_gas/petroleum/data_publications/ monthly_oxygenate_telephone_report/motr.html, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_supply_monthly/psm.html, and http://www.census.gov/cir/www/311/m311k.html.

Sources: (Note: For production, net imports, stocks, stock change, and consumption, data in thousand barrels are converted to million gallons by multiplying by 0.042; and are converted to trillion Btu by multiplying by the approximate heat content of fuel ethanol or biodiesel—see Table A3.) Fuel Ethanol Feedstock: Calculated as fuel ethanol production in thousand barrels multiplied by the approximate heat content of fuel ethanol feedstock—see Table A3. Fuel Ethanol Losses and Co-products: Calculated as fuel ethanol production. Fuel Ethanol Production: • 1981-1992—Fuel ethanol production is equal to fuel ethanol consumption—see sources for "Fuel Ethanol Consumption." • 1993-2004—Calculated as fuel ethanol consumption plus fuel ethanol stock change minus fuel ethanol consumption.

net imports. These data differ slightly from the original production data from Energy Information Administration (EIA), Form EIA-819, "Monthly Oxygenate Report," and predecessor form, which were not reconciled and updated to be consistent with the final balance. • 2005 forward—EIA, Form EIA-819, "Monthly Oxygenate Report." Fuel Ethanol Net Imports, Stocks, and Stock Change: • 1992-2006—EIA, Petroleum Supply Annual (PSA), annual reports. • 2007—EIA, Petroleum Supply Monthly (PSM), monthly reports. Fuel Ethanol Consumption: • 1981-1989-EIA, Estimates of U.S. Biofuels Consumption 1990, Table 10; and EIA, Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF), estimates. • 1990-1992—EIA, Estimates of U.S. Biomass Energy Consumption 1992, Table D2; and EIA, CNEAF, estimates. • 1993-2004-EIA, PSA, annual reports, Tables 2 and 16. Calculated as ten percent of oxygenated finished motor gasoline field production (Table 2), plus fuel ethanol refinery input (Table 16). • 2005 and 2006-EIA, PSA, annual reports, Tables 1 and 15. Calculated as motor gasoline blending components adjustments (Table 1), plus finished motor gasoline adjustments (Table 1), plus fuel ethanol refinery and blender net inputs (Table 15). • 2007-EIA, PSM, monthly reports, Tables 1 and 27. Calculated as motor gasoline blending components adjustments (Table 1), plus finished motor gasoline adjustments (Table 1), plus fuel ethanol refinery and blender net inputs (Table 27). Biodiesel Feedstock: Calculated as biodiesel production in thousand barrels multiplied by the approximate heat content of biodiesel feedstock-see Table A3. Biodiesel Losses and Co-products: Calculated as biodiesel feedstock minus biodiesel production. Biodiesel Production: • 2001-2005-U.S. Department of Agriculture, Commodity Credit Corporation, Bioenergy Program records. Annual data are derived from guarterly 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, EIA, Office of Integrated Analysis and Forecasting, estimates that 14.4 million gallons of yellow grease were consumed in methyl esters (biodiesel). EIA assumes that 7.65 pounds of vegetable oil are needed to make one gallon of biodiesel. • 2007-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). EIA assumes that 7.65 pounds of vegetable oil are needed to make one gallon of biodiesel.