

Table 10.3 Ethanol and Biodiesel Overview, 1981-2006

Year	Ethanol											Biodiesel			
	Feed-stock ¹	Losses and Co-products ²	Production ³		Net Imports ⁴		Stocks ⁵	Stock Change ⁶		Consumption ⁷		Feed-stock ⁸	Losses and Co-products ⁹	Production ¹⁰	
	TBtu	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	Mbbl	TBtu	Mbbl	TBtu	TBtu	TBtu	Mbbl	TBtu
1981	13	6	1,978	7	NA	NA	NA	NA	NA	1,978	7	NA	NA	NA	NA
1982	35	16	5,369	19	NA	NA	NA	NA	NA	5,369	19	NA	NA	NA	NA
1983	63	28	9,890	35	NA	NA	NA	NA	NA	9,890	35	NA	NA	NA	NA
1984	77	34	12,150	43	NA	NA	NA	NA	NA	12,150	43	NA	NA	NA	NA
1985	93	41	14,693	52	NA	NA	NA	NA	NA	14,693	52	NA	NA	NA	NA
1986	107	47	16,954	60	NA	NA	NA	NA	NA	16,954	60	NA	NA	NA	NA
1987	123	54	19,497	69	NA	NA	NA	NA	NA	19,497	69	NA	NA	NA	NA
1988	124	54	19,780	70	NA	NA	NA	NA	NA	19,780	70	NA	NA	NA	NA
1989	126	55	20,062	71	NA	NA	NA	NA	NA	20,062	71	NA	NA	NA	NA
1990	111	48	17,802	63	NA	NA	NA	NA	NA	17,802	63	NA	NA	NA	NA
1991	129	56	20,627	73	NA	NA	NA	NA	NA	20,627	73	NA	NA	NA	NA
1992	146	63	23,453	83	NA	NA	1,791	NA	NA	23,453	83	NA	NA	NA	NA
1993	171	74	27,484	97	244	1	2,114	323	1	27,405	97	NA	NA	NA	NA
1994	190	82	30,689	109	279	1	2,393	279	1	30,689	109	NA	NA	NA	NA
1995	200	86	32,325	114	387	1	2,186	-207	-1	32,919	117	NA	NA	NA	NA
1996	143	61	23,178	82	313	1	2,065	-121	(s)	23,612	84	NA	NA	NA	NA
1997	190	81	30,674	109	85	(s)	2,925	860	3	29,899	106	NA	NA	NA	NA
1998	206	88	33,453	118	66	(s)	3,406	481	2	33,038	117	NA	NA	NA	NA
1999	215	92	34,881	123	87	(s)	4,024	618	2	34,350	122	NA	NA	NA	NA
2000	238	101	38,627	137	116	(s)	3,400	-624	-2	39,367	139	NA	NA	NA	NA
2001	259	110	42,028	149	315	1	4,298	898	3	41,445	147	1	(s)	204	1
2002	313	133	50,956	180	306	1	6,200	1,902	7	49,360	175	1	(s)	250	1
2003	410	174	66,772	236	292	1	5,978	-222	-1	67,286	238	2	(s)	430	2
2004	497	210	81,058	287	3,542	13	6,002	24	(s)	84,576	299	3	(s)	666	3
2005	570	241	92,961	329	3,234	11	5,563	-439	-2	96,634	R342	11	(s)	2,162	11
2006 ^P	708	299	115,604	409	17,363	61	8,747	3,184	11	129,783	459	NA	NA	NA	NA

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

² Losses and co-products (or "heat 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 production.

⁴ Fuel ethanol imports. There are no exports.

⁵ Fuel ethanol stocks at end of year.

⁶ Fuel ethanol stock change. A negative number indicates a decrease in stocks and a positive number indicates an increase.

⁷ Fuel ethanol consumption equals fuel ethanol production, plus fuel ethanol net imports, minus fuel ethanol stock change.

⁸ Total vegetable oil and other biomass inputs to the production of biodiesel.

⁹ Losses and co-products (or "heat 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.

¹⁰ 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. 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.fsa.usda.gov/FSA/webapp?area=home&subject>

=coop&topic=pai-be.

Sources: (Note: For ethanol and biodiesel heat contents, see Table A3.) **Ethanol Feedstock:** Calculated as fuel ethanol production multiplied by the approximate heat content of the corn and other biomass inputs to the production of fuel ethanol. **Ethanol Losses and Co-products:** Calculated as ethanol feedstock minus fuel ethanol production. **Ethanol Production:** • 1981-1992—Fuel ethanol production is equal to fuel ethanol consumption. See sources for "Ethanol Consumption." • 1993 forward—Energy Information Administration (EIA), Form EIA-819, "Monthly Oxygenate Report," and predecessor form. **Ethanol Net Imports, Stocks, and Stock Change:** • 1992-2005—EIA, *Petroleum Supply Annual (PSA)*, annual reports. • 2006—EIA, *Petroleum Supply Monthly (PSM)*, monthly reports. **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, estimate. • 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—EIA, *PSA 2005*, 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). • 2006—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 multiplied by the approximate heat content of the vegetable oil and other biomass inputs to the production of biodiesel. **Biodiesel Losses and Co-products:** Calculated as biodiesel feedstock minus biodiesel production. **Biodiesel Production:** U.S. Department of Agriculture, Commodity Credit Corporation, Bioenergy Program records.