

Table 10.3 Fuel Ethanol Overview, 1981-2008

Year	Feedstock ¹	Losses and Co-products ²	Production			Trade			Stocks ⁴	Stock Change ⁵	Consumption		
						Imports	Exports	Net Imports ³					
			Trillion Btu	Trillion Btu	Thousand Barrels	Million Gallons	Trillion Btu	Thousand Barrels			Thousand Barrels	Thousand Barrels	Thousand Barrels
1981	13	6	1,978	83	7	NA	NA	NA	NA	NA	1,978	83	7
1982	35	16	5,369	225	19	NA	NA	NA	NA	NA	5,369	225	19
1983	R64	R29	9,890	415	35	NA	NA	NA	NA	NA	9,890	415	35
1984	R79	R36	12,150	510	43	NA	NA	NA	NA	NA	12,150	510	43
1985	R95	R43	14,693	617	52	NA	NA	NA	NA	NA	14,693	617	52
1986	R109	R49	16,954	712	60	NA	NA	NA	NA	NA	16,954	712	60
1987	R125	R56	19,497	819	69	NA	NA	NA	NA	NA	19,497	819	69
1988	R127	R57	19,780	831	70	NA	NA	NA	NA	NA	19,780	831	70
1989	R128	R57	20,062	843	71	NA	NA	NA	NA	NA	20,062	843	71
1990	R113	R50	17,802	748	63	NA	NA	NA	NA	NA	17,802	748	63
1991	R131	R58	20,627	866	73	NA	NA	NA	NA	NA	20,627	866	73
1992	R148	R65	23,453	985	83	NA	NA	NA	1,791	NA	23,453	985	83
1993	R173	R76	27,484	1,154	97	244	NA	244	2,114	323	27,405	1,151	97
1994	R192	R84	30,689	1,289	109	279	NA	279	2,393	279	30,689	1,289	109
1995	R202	R87	32,325	1,358	114	387	NA	387	2,186	-207	32,919	1,383	117
1996	R144	R62	23,178	973	82	313	NA	313	2,065	-121	23,612	992	84
1997	R190	R82	30,674	1,288	109	85	NA	85	2,925	860	29,899	1,256	106
1998	R207	88	33,453	1,405	118	66	NA	66	3,406	481	33,038	1,388	117
1999	215	92	34,881	1,465	123	87	NA	87	4,024	618	34,350	1,443	122
2000	238	101	38,627	1,622	137	116	NA	116	3,400	-624	39,367	1,653	139
2001	259	110	42,028	1,765	149	315	NA	315	4,298	898	41,445	1,741	147
2002	313	133	50,956	2,140	180	306	NA	306	6,200	1,902	49,360	2,073	175
2003	410	R173	66,772	2,804	236	292	NA	292	5,978	-222	67,286	2,826	238
2004	497	210	81,058	3,404	287	3,542	NA	3,542	6,002	24	84,576	3,552	299
2005	R569	R240	92,961	3,904	329	3,234	NA	3,234	5,563	-439	96,634	4,059	342
2006	R711	R299	116,294	4,884	412	17,408	NA	17,408	8,760	3,197	130,505	5,481	462
2007	R948	R398	R155,263	R6,521	R549	R10,457	NA	R10,457	R10,535	R1,775	R163,945	R6,886	R580
2008 ^P	1,340	562	219,927	9,237	778	12,347	NA	12,347	14,219	63,710	228,564	9,600	809

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 Net imports equal imports minus exports.

⁴ Stocks are at end of year.

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

⁶ Derived from preliminary 2007 stocks value, not final 2007 value shown in this table.

R=Revised. P=Preliminary. NA=Not available.

Notes: • Fuel ethanol data in thousand barrels are converted to million gallons by multiplying by 0.042, and are converted to trillion Btu by multiplying by 0.003539 (the approximate heat content of fuel ethanol—see Table A3). • Through 1980, data are not available. For 1981-1992, data are estimates. Beginning in 1993, only data for feedstock and losses and co-products are estimates. • Totals may not equal sum of components due to independent rounding.

Web Page: For related information, see http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_supply_monthly/psm.html.

Sources: **Feedstock:** Calculated as fuel ethanol production in thousand barrels multiplied by the fuel ethanol feedstock factor—see Table A3. **Losses and Co-products:** Calculated as fuel ethanol feedstock

minus fuel ethanol production. **Production:** • 1981-1992—Fuel ethanol production is assumed to equal fuel ethanol consumption—see sources for "Consumption." • 1993-2004—Calculated as fuel ethanol consumption plus fuel ethanol stock change minus fuel ethanol 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." **Trade, Stocks, and Stock Change:** • 1992-2007—EIA, *Petroleum Supply Annual (PSA)*, annual reports. • 2008—EIA, *Petroleum Supply Monthly (PSM)*, monthly reports. **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). • 2005-2007—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). • 2008—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).