

Table 10.3 Fuel Ethanol Overview

	Feed-stock ^a	Losses and Co-products ^b	Denaturant ^c	Production ^d			Trade ^d	Stocks ^{d,f}	Stock Change ^{d,g}	Consumption ^d			Consumption Minus Denaturant ^h
							Net Imports ^e						
				TBtu	TBtu	Mbbl	Mbbl			MMgal	TBtu	Mbbl	
1981 Total	13	6	40	1,978	83	7	NA	NA	NA	1,978	83	7	7
1985 Total	93	42	294	14,693	617	52	NA	NA	NA	14,693	617	52	51
1990 Total	111	49	356	17,802	748	63	NA	NA	NA	17,802	748	63	62
1995 Total	198	86	647	32,325	1,358	115	387	2,186	-207	32,919	1,383	117	114
1996 Total	141	61	464	23,178	973	83	313	2,065	-121	23,612	992	84	82
1997 Total	186	80	613	30,674	1,288	109	85	2,925	860	29,899	1,256	107	104
1998 Total	202	86	669	33,453	1,405	119	66	3,406	481	33,038	1,388	118	115
1999 Total	211	90	698	34,881	1,465	124	87	4,024	618	34,350	1,443	122	119
2000 Total	233	99	773	38,627	1,622	138	116	3,400	-624	39,367	1,653	140	137
2001 Total	253	108	841	42,028	1,765	150	315	4,298	898	41,445	1,741	148	144
2002 Total	307	130	1,019	50,956	2,140	182	306	6,200	1,902	49,360	2,073	176	171
2003 Total	400	169	1,335	66,772	2,804	238	292	5,978	-222	67,286	2,826	240	233
2004 Total	484	203	1,621	81,058	3,404	289	3,542	6,002	24	84,576	3,552	301	293
2005 Total	552	230	1,859	92,961	3,904	331	3,234	5,563	-439	96,634	4,059	344	335
2006 Total	688	285	2,326	116,294	4,884	414	17,408	8,760	3,197	130,505	5,481	465	453
2007 Total	914	376	3,105	155,263	6,521	553	10,457	10,535	1,775	163,945	6,886	584	569
2008 Total	1,300	531	4,433	221,637	9,309	790	12,610	14,226	3,691	230,556	9,683	821	800
2009 Total	1,517	616	5,688	260,424	10,938	928	4,720	16,594	2,368	262,776	11,037	936	910
2010 January	149	60	541	25,625	1,076	91	-234	18,251	1,657	23,734	997	85	82
February	138	56	496	23,802	1,000	85	-482	19,297	1,046	22,274	936	79	77
March	154	62	537	26,486	1,112	94	-1,104	20,222	925	24,457	1,027	87	85
April	147	59	522	25,384	1,066	90	-927	20,042	-180	24,637	1,035	88	85
May	152	61	534	26,244	1,102	93	-368	19,851	-191	26,067	1,095	93	90
June	149	60	522	25,632	1,077	91	-341	18,565	-1,286	26,577	1,116	95	92
July	154	62	543	26,584	1,117	95	-578	17,809	-756	26,762	1,124	95	93
August	157	63	538	26,964	1,132	96	-695	17,380	-429	26,698	1,121	95	93
September	152	61	533	26,221	1,101	93	-924	17,437	57	25,240	1,060	90	88
October	160	64	563	27,471	1,154	98	-830	17,278	-159	26,800	1,126	95	93
November	161	65	585	27,747	1,165	99	-923	18,150	872	25,952	1,090	92	90
December	165	67	592	28,457	1,195	101	-1,711	17,941	-209	26,955	1,132	96	93
Total	1,839	742	6,506	316,617	13,298	1,127	-9,115	17,941	1,347	306,155	12,858	1,090	1,061
2011 January	165	66	581	R 28,467	R 1,196	R 101	-1,359	R 20,826	R 2,885	R 24,223	R 1,017	R 86	R 84
February	R 146	59	535	R 25,300	R 1,063	90	-1,425	R 21,016	R 190	R 23,685	R 995	R 84	R 82
March	163	65	548	R 28,178	R 1,183	100	-2,003	R 21,593	R 577	R 25,598	R 1,075	91	89
April	154	62	R 508	R 26,538	R 1,115	R 94	-2,865	R 21,065	R -528	R 24,201	R 1,016	R 86	R 84
May	R 160	64	R 550	R 27,720	R 1,164	99	-1,743	R 20,609	R -456	26,433	1,110	94	92
June	R 158	63	R 540	R 27,224	R 1,143	R 97	-1,533	R 19,217	R -1,392	R 27,083	R 1,137	96	94
July	R 159	64	555	R 27,541	R 1,157	98	-2,731	R 18,788	R -429	R 25,239	R 1,060	R 90	R 88
August	R 162	65	575	R 27,976	R 1,175	100	R -665	R 18,123	R -665	R 27,976	R 1,175	100	97
September	154	62	525	R 26,588	R 1,117	95	R -1,745	R 18,465	R 342	R 24,501	R 1,029	R 87	R 85
October	R 162	65	557	R 28,013	R 1,177	100	-2,388	R 18,038	R -427	R 26,052	R 1,094	93	90
November	164	66	573	R 28,383	R 1,192	101	R -2,911	R 18,308	R 270	R 25,202	R 1,058	R 90	R 87
December	172	69	R 602	R 29,718	R 1,248	106	R -2,997	R 18,238	R -70	R 26,791	R 1,125	R 95	R 93
Total	R 1,919	R 769	R 6,649	R 331,646	R 13,929	R 1,181	R -24,365	R 18,238	R 297	R 306,984	R 12,893	R 1,093	R 1,065
2012 January	167	67	583	29,063	1,221	103	-1,789	21,753	ⁱ 3,492	23,782	999	85	82
February	154	61	528	26,653	1,119	95	-1,785	22,572	819	24,049	1,010	86	83
March	160	64	522	27,706	1,164	99	-1,626	22,952	380	25,700	1,079	91	89
April	152	61	494	26,368	1,107	94	-1,549	22,370	-582	25,401	1,067	90	88
May	160	64	520	27,718	1,164	99	-1,013	21,851	-519	27,224	1,143	97	95
June	154	61	503	26,611	1,118	95	-613	21,456	-395	26,393	1,109	94	92
6-Month Total ...	946	377	3,150	164,119	6,893	584	-8,375	21,456	3,195	152,549	6,407	543	530
2011 6-Month Total ...	946	379	3,262	163,427	6,864	582	-10,927	19,217	1,276	151,224	6,351	538	525
2010 6-Month Total ...	890	359	3,152	153,173	6,433	545	-3,455	18,565	1,971	147,747	6,205	526	512

^a Total corn and other biomass inputs to the production of undenatured ethanol used for fuel ethanol.

^b 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.

^c The amount of denaturant in fuel ethanol produced.

^d Includes denaturant.

^e Through 2009, data are for fuel ethanol imports only; data for fuel ethanol exports are not available. Beginning in 2010, data are for fuel ethanol imports minus fuel ethanol exports.

^f Stocks are at end of period.

^g A negative value indicates a decrease in stocks and a positive value indicates an increase.

^h Consumption of fuel ethanol minus denaturant. Data for fuel ethanol minus denaturant are used to develop data for "Renewable Energy/Biomass" in Tables 10.1–10.2b, as well as in Sections 1 and 2.

ⁱ Derived from the preliminary 2011 stocks value (18,261 thousand barrels), not the final 2011 value (18,238 thousand barrels) that is shown under "Stocks."

R=Revised. NA=Not available.

Notes: • Mbbl = thousand barrels. MMgal = million U.S. gallons. TBtu = trillion Btu. • Fuel ethanol data in thousand barrels are converted to million gallons by multiplying by 0.042, and are converted to Btu by multiplying by the approximate heat content of fuel ethanol—see Table A3. • Through 1980, data are not available. For 1981–1992, data are estimates. For 1993–2008, only data for feedstock, losses and co-products, and denaturant are estimates. Beginning in 2009, only data for feedstock, and losses and co-products, are estimates. • See "Denaturant," "Ethanol," "Fuel Ethanol," and "Fuel Ethanol Minus Denaturant" in Glossary. • 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.gov/totalenergy/data/monthly/#renewable> for all available data beginning in 1981.

Sources: See end of section.