

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
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	168	1,335	66,772	2,804	238	292	5,978	-222	67,286	2,826	240	233
2004 Total	482	201	1,621	81,058	3,404	289	3,542	6,002	24	84,576	3,552	301	293
2005 Total	550	227	1,859	92,961	3,904	331	3,234	5,563	-439	96,634	4,059	344	335
2006 Total	683	280	2,326	116,294	4,884	414	17,408	8,760	3,197	130,505	5,481	465	453
2007 Total	907	368	3,105	155,263	6,521	553	10,457	10,535	1,775	163,945	6,886	584	569
2008 Total	1,286	518	4,433	221,637	9,309	790	12,610	14,226	3,691	230,556	9,683	821	800
2009 Total	1,503	602	5,688	260,424	10,938	928	4,720	16,594	2,368	262,776	11,037	936	910
2010 Total	1,823	726	6,506	316,617	13,298	1,127	-9,115	17,941	1,347	306,155	12,858	1,090	1,061
2011 Total	1,904	754	6,649	331,646	13,929	1,181	-24,365	18,238	297	306,984	12,893	1,093	1,065
2012 Total	1,801	709	6,264	314,714	13,218	1,120	-5,891	20,350	2,112	306,711	12,882	1,092	1,064
2013 Total	1,805	707	6,181	316,493	13,293	1,126	-5,761	16,424	-3,926	314,658	13,216	1,120	1,092
2014 Total	1,938	755	6,476	340,781	14,313	1,212	-18,371	18,739	2,315	320,095	13,444	1,139	1,111
2015 January	169	65	589	29,770	1,250	106	-1,633	20,647	1,908	26,229	1,102	93	91
February	152	59	534	26,814	1,126	95	-1,623	21,057	410	24,781	1,041	88	86
March	167	65	567	29,485	1,238	105	-2,050	20,878	-179	27,614	1,160	98	96
April	158	61	527	27,910	1,172	99	-1,504	20,854	-24	26,430	1,110	94	92
May	168	65	545	29,666	1,246	106	-1,489	20,154	-700	28,877	1,213	103	100
June	168	65	528	29,684	1,247	106	-1,490	20,128	-26	28,220	1,185	100	98
July	172	66	539	30,249	1,270	108	-1,675	19,701	-427	29,001	1,218	103	101
August	169	65	524	29,762	1,250	106	-905	19,390	-311	29,168	1,225	104	101
September	162	63	519	28,571	1,200	102	-987	18,944	-446	28,030	1,177	100	97
October	169	66	560	29,886	1,255	106	-1,579	18,984	40	28,267	1,187	101	98
November	168	65	580	29,675	1,246	106	-929	20,099	1,115	27,631	1,161	98	96
December	176	68	624	31,081	1,305	111	-1,767	21,596	1,497	27,817	1,168	99	96
Total	1,998	774	6,636	352,553	14,807	1,254	-17,632	21,596	2,857	332,064	13,947	1,181	1,153
2016 January	172	66	617	30,452	1,279	108	-2,294	23,347	1,751	26,407	1,109	94	92
February	162	63	586	28,810	1,210	103	-2,024	23,171	-176	26,962	1,132	96	93
March	175	67	601	30,957	1,300	110	-2,612	22,730	-441	28,786	1,209	102	100
April	159	61	557	28,208	1,185	100	-2,919	21,336	-1,394	26,683	1,121	95	93
May	171	66	586	30,346	1,275	108	-1,627	20,962	-374	29,093	1,222	104	101
June	172	66	567	30,443	1,279	108	-1,045	21,284	322	29,076	1,221	103	101
July	178	68	570	31,469	1,322	112	-1,641	21,381	97	29,731	1,249	106	103
August	180	69	564	31,856	1,338	113	-1,924	21,198	-183	30,115	1,265	107	105
September	170	65	544	30,048	1,262	107	-2,315	20,713	-485	28,218	1,185	100	98
October	175	67	563	31,006	1,302	110	-2,946	20,113	-600	28,660	1,204	102	100
November	173	67	559	30,706	1,290	109	-3,074	19,463	-650	28,282	1,188	101	98
December	185	71	606	32,680	1,373	116	-2,583	19,758	295	29,802	1,252	106	104
Total	2,072	798	6,920	366,981	15,413	1,306	-27,002	19,758	-1,838	341,817	14,356	1,216	1,187
2017 January	183	70	593	32,577	1,368	116	-2,901	22,624	ⁱ 3,093	26,583	1,116	95	92
February	164	63	541	29,052	1,220	103	-3,349	23,015	391	25,312	1,063	90	88
March	181	69	597	32,161	1,351	114	-3,044	23,759	744	28,373	1,192	101	99
April	166	64	540	29,500	1,239	105	-1,981	23,593	-166	27,685	1,163	99	96
May	179	68	558	31,700	1,331	113	-2,809	22,909	-684	29,575	1,242	105	103
June	173	66	539	30,667	1,288	109	-1,958	21,763	-1,146	29,855	1,254	106	104
July	176	67	551	31,221	1,311	111	-2,512	21,147	-616	29,325	1,232	104	102
7-Month Total ...	1,221	468	3,919	216,878	9,109	772	-18,556	21,147	1,616	196,706	8,262	700	684
2016 7-Month Total ...	1,189	458	4,084	210,685	8,849	750	-14,160	21,381	-215	196,740	8,263	700	683
2015 7-Month Total ...	1,154	447	3,829	203,578	8,550	724	-11,465	19,701	962	191,151	8,028	680	664

^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 (including industrial alcohol) 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 2016 stocks value (19,531 thousand barrels), not the final 2016 value (19,758 thousand barrels) that is shown under "Stocks." 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> (Excel and CSV files) for all available annual and monthly data beginning in 1981.

Sources: See end of section.