

**Table 10.3 Fuel Ethanol Overview**

	Feed-stock <sup>a</sup>	Losses and Co-products <sup>b</sup>	Denaturant <sup>c</sup>	Production <sup>d</sup>			Trade <sup>d</sup>	Stocks <sup>d,f</sup>	Stock Change <sup>d,g</sup>	Consumption <sup>d</sup>			Consumption Minus Denaturant <sup>h</sup>
							Net Imports <sup>e</sup>						
				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 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	R 185	R 71	R 600	R 32,887	R 1,381	R 117	R -2,844	R 22,679	R 2,921	R 27,122	R 1,139	R 96	R 94
February	R 165	R 63	R 545	R 29,307	R 1,231	R 104	R -3,605	R 23,195	R 516	R 25,186	R 1,058	R 90	R 87
March	R 182	R 70	R 603	R 32,393	R 1,361	R 115	R -3,023	R 23,981	R 786	R 28,584	R 1,201	R 102	R 99
April	R 167	R 64	R 545	R 29,639	R 1,245	R 105	R -1,918	R 23,671	R -310	R 28,031	R 1,177	R 100	R 97
May	R 180	R 69	R 562	R 31,863	R 1,338	R 113	R -2,831	R 22,855	R -816	R 29,848	R 1,254	R 106	R 104
June	R 173	R 66	R 543	R 30,794	R 1,293	R 110	R -2,045	R 21,770	R -1,085	R 29,834	R 1,253	R 106	R 104
July	R 177	R 68	R 559	R 31,384	R 1,318	R 112	R -2,553	R 21,167	R -603	R 29,434	R 1,236	R 105	R 102
August	R 184	R 70	R 577	R 32,672	R 1,372	R 116	R -2,029	R 21,186	R 19	R 30,624	R 1,286	R 109	R 106
September	R 173	R 66	R 535	R 30,701	R 1,289	R 109	R -1,757	R 21,507	R 321	R 28,623	R 1,202	R 102	R 100
October	R 182	R 70	R 536	R 32,212	R 1,353	R 115	R -2,419	R 21,663	R 156	R 29,637	R 1,245	R 105	R 103
November	R 184	R 71	R 523	R 32,631	R 1,371	R 116	R -2,419	R 23,203	R 1,540	R 29,022	R 1,219	R 103	R 101
December	R 186	R 71	R 529	R 32,952	R 1,384	R 117	R -4,175	R 23,043	R -160	R 28,937	R 1,215	R 103	R 101
Total	R 2,138	R 819	R 6,657	R 379,435	R 15,936	R 1,349	R -31,268	R 23,043	R 3,285	R 344,882	R 14,485	R 1,226	R 1,199
2018 January	182	69	504	32,428	1,362	115	-2,104	24,229	<sup>i</sup> 1,181	29,143	1,224	104	102
February	166	63	441	29,519	1,240	105	-5,298	24,335	106	24,115	1,013	86	84
March	181	69	484	32,216	1,353	115	-5,122	22,883	-1,452	28,546	1,199	102	100
April	172	65	462	30,532	1,282	109	-3,866	23,256	373	26,293	1,104	93	92
May	181	69	487	32,215	1,353	115	-2,280	22,636	-620	30,555	1,283	109	106
June	180	68	473	31,924	1,341	114	-3,609	21,880	-756	29,071	1,221	103	101
6-Month Total	1,063	405	2,851	188,834	7,931	671	-22,278	21,880	-1,168	167,724	7,044	596	585
2017 6-Month Total	1,052	403	3,398	186,883	7,849	665	-16,266	21,770	2,012	168,605	7,081	600	586
2016 6-Month Total	1,011	389	3,514	179,216	7,527	638	-12,519	21,284	-312	167,009	7,014	594	579

<sup>a</sup> Total corn and other biomass inputs to the production of undenatured ethanol used for fuel ethanol.

<sup>b</sup> 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.

<sup>c</sup> The amount of denaturant in fuel ethanol produced.

<sup>d</sup> Includes denaturant.

<sup>e</sup> 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.

<sup>f</sup> Stocks are at end of period.

<sup>g</sup> A negative value indicates a decrease in stocks and a positive value indicates an increase.

<sup>h</sup> 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.

<sup>i</sup> Derived from the preliminary 2017 stocks value (23,048 thousand barrels), not the final 2017 value (23,043 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> (Excel and CSV files) for all available annual and monthly data beginning in 1981.

Sources: See end of section.