

**Table 10.3 Fuel Ethanol Overview**

				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>	
	Feed-stock <sup>a</sup>	Losses and Co-products <sup>b</sup>	Denaturant <sup>c</sup>	Mbbbl	MMgal	Tbtu	Net Imports <sup>e</sup>			Mbbbl	Mbbbl	MMgal	Tbtu	Tbtu
							Mbbbl							
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	183	70	593	32,577	1,368	116	-2,901	22,624	<sup>1</sup> 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	98	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	
August	183	70	569	32,447	1,363	115	-2,199	21,197	50	30,198	1,268	107	105	
September	172	66	531	30,581	1,284	109	-1,809	21,485	288	28,484	1,196	101	99	
October	181	69	550	32,076	1,347	114	-2,162	21,574	89	29,825	1,253	106	104	
November	183	70	520	32,469	1,364	115	-2,152	22,863	1,289	29,028	1,219	103	101	
December	185	71	525	32,809	1,378	117	-4,130	23,048	185	28,494	1,197	101	99	
Total	2,126	814	6,614	377,260	15,845	1,342	-31,007	23,048	<sup>1</sup> 3,517	342,736	14,395	1,219	1,192	
2018 January	182	69	504	32,428	1,362	115	-2,104	24,229	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	
3-Month Total	530	202	1,429	94,163	3,955	335	-12,523	22,883	-165	81,805	3,436	291	285	
2017 3-Month Total	528	202	1,731	93,790	3,939	334	-9,295	23,759	4,228	80,267	3,371	285	279	
2016 3-Month Total	509	196	1,804	90,219	3,789	321	-6,930	22,730	1,134	82,155	3,451	292	285	

<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 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: • Mbbbl = 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.