

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		
	TBtu		TBtu	Mbbl	Mbbl	MMgal	TBtu	Net Imports ^e		Mbbl	Mbbl	Mbbl	Mbbl	MMgal	TBtu	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	320,995	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	171	66	615	30,319	1,273	108	-2,073	23,168	ⁱ 1,730	26,516	1,114	94	92			
February	162	62	583	28,678	1,204	102	-1,595	23,004	-164	27,247	1,144	97	94			
March	174	67	600	30,812	1,294	110	-2,268	22,301	-703	29,247	1,228	104	101			
April	158	61	554	28,059	1,178	100	-2,273	20,992	-1,309	27,095	1,138	96	94			
May	171	66	584	30,228	1,270	108	-1,327	20,792	-200	29,101	1,222	104	101			
June	171	66	564	30,258	1,271	108	-858	21,199	407	28,993	1,218	103	101			
July	177	68	565	31,251	1,313	111	-1,338	21,167	-32	29,945	1,258	107	104			
August	179	69	560	31,669	1,330	113	-1,601	21,042	-125	30,193	1,268	107	105			
September	169	65	542	29,876	1,255	106	-2,342	20,605	-437	27,971	1,175	100	97			
October	174	67	560	30,797	1,293	110	-3,135	20,005	-600	28,262	1,187	101	98			
November	173	66	556	30,565	1,284	109	-2,904	19,136	-869	28,530	1,198	102	99			
December	183	71	602	32,467	1,364	116	-2,334	19,531	395	29,738	1,249	106	103			
Total	2,061	794	6,885	364,979	15,329	1,299	-24,049	19,531	ⁱ-1,907	342,837	14,399	1,220	1,190			
2017 January	182	69	593	32,241	1,354	115	-2,507	22,633	3,102	26,632	1,119	95	93			
February	162	62	541	28,747	1,207	102	-2,972	23,028	395	25,380	1,066	90	88			
March	181	69	597	32,161	1,351	114	-3,044	23,759	731	28,386	1,192	101	99			
April	166	64	540	29,500	1,239	105	-1,981	23,593	-166	27,685	1,163	99	96			
4-Month Total	690	264	2,271	122,649	5,151	436	-10,505	23,593	4,062	108,082	4,539	385	375			
2016 4-Month Total	665	256	2,352	117,868	4,950	419	-8,209	20,992	-446	110,105	4,624	392	382			
2015 4-Month Total	646	250	2,217	113,979	4,787	406	-6,811	20,854	2,115	105,053	4,412	374	365			

^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 2015 stocks value (21,438 thousand barrels), not the final 2015 value (21,596 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.