

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	Mbbl	Mbbl	Mbbl	MMgal	TBtu	TBtu		
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 January	160	62	558	28,194	1,184	100	-2,024	17,153	729	25,441	1,069	91	88	
February	144	56	498	25,269	1,061	90	-1,473	16,865	-288	24,084	1,012	86	84	
March	160	62	544	28,120	1,181	100	-1,985	17,310	445	25,690	1,079	91	89	
April	158	61	551	27,733	1,165	99	-1,202	17,610	300	26,231	1,102	93	91	
May	164	64	565	28,888	1,213	103	-704	18,330	720	27,464	1,153	98	95	
June	163	63	524	28,629	1,202	102	-1,278	18,785	455	26,896	1,130	96	93	
July	167	65	542	29,413	1,235	105	-1,495	18,696	-89	28,007	1,176	100	97	
August	163	64	534	28,665	1,204	102	-1,283	18,218	-478	27,860	1,170	99	97	
September	158	62	509	27,807	1,168	99	-1,346	18,724	506	25,955	1,090	92	90	
October	163	64	502	28,644	1,203	102	-1,919	17,341	-1,383	28,108	1,181	100	98	
November	163	63	540	28,588	1,201	102	-2,081	17,035	-306	26,813	1,126	95	93	
December	175	68	609	30,831	1,295	110	-1,580	18,739	1,704	27,547	1,157	98	96	
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	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	
9-Month Total ...	1,531	589	5,167	271,150	11,388	965	-15,676	20,605	-833	256,307	10,765	912	890	
2015 9-Month Total ...	1,485	575	4,872	261,911	11,000	932	-13,357	18,944	205	248,349	10,431	884	863	
2014 9-Month Total ...	1,437	560	4,825	252,718	10,614	899	-12,792	18,724	2,300	237,626	9,980	845	825	

^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.