

Table 10.3 Fuel Ethanol Overview

	Feed-stock ^b	Losses and Co-products ^c	Denaturant ^d	Production ^a			Trade ^a	Stocks ^{a,f}	Stock Change ^{a,g}	Consumption ^a			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
2005 Total	550	227	1,859	92,961	3,904	331	3,234	5,563	-439	96,634	4,059	344	335
2010 Total	1,823	726	6,506	316,617	13,298	1,128	-9,115	17,941	1,347	306,155	12,858	1,091	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	1,809	711	6,181	316,493	13,293	1,127	-5,761	16,424	-3,926	314,658	13,216	1,120	1,092
2014 Total	1,947	764	6,476	340,781	14,313	1,213	-18,371	18,739	2,315	320,095	13,444	1,139	1,111
2015 Total	2,013	788	6,636	352,553	14,807	1,254	-17,632	21,596	2,857	332,064	13,947	1,181	1,153
2016 Total	2,092	818	6,920	366,981	15,413	1,306	-27,002	19,758	-1,838	341,817	14,356	1,216	1,187
2017 Total	2,164	844	6,657	379,435	15,936	1,349	-31,268	23,043	3,285	344,882	14,485	1,226	1,199
2018 Total	2,187	852	5,819	383,127	16,091	1,361	-39,410	23,418	375	343,342	14,420	1,220	1,197
2019 Total	2,140	832	6,089	375,678	15,778	1,336	-30,276	22,352	-1,066	346,468	14,552	1,232	1,206
2020 Total	1,886	732	5,892	331,928	13,941	1,181	-27,692	24,663	2,311	301,925	12,681	1,074	1,050
2021 Total	2,030	786	6,094	357,517	15,016	1,271	-28,135	22,036	-2,627	332,010	13,944	1,180	1,155
2022 Total	2,079	805	5,869	365,731	15,361	1,299	-29,631	24,245	2,209	333,891	14,023	1,186	1,163
2023 Total	2,107	816	6,211	370,957	15,580	1,318	-32,895	23,498	-747	338,808	14,230	1,204	1,179
2024 January	175	68	508	30,843	1,295	110	-3,564	24,781	1,283	25,997	1,092	92	90
February	177	69	524	31,149	1,308	111	-3,273	26,027	1,246	26,629	1,118	95	93
March	188	73	503	33,129	1,391	118	-3,986	26,741	714	28,430	1,194	101	99
April	168	65	437	29,466	1,238	105	-4,468	25,466	-1,274	26,272	1,103	93	92
May	181	70	471	31,783	1,335	113	-4,002	22,750	-2,717	30,499	1,281	108	106
June	178	69	499	31,304	1,315	111	-3,194	22,655	-95	28,205	1,185	100	98
July	192	74	541	33,810	1,420	120	-3,067	23,328	673	30,070	1,263	107	105
August	191	74	526	33,506	1,407	119	-3,644	23,782	454	29,408	1,235	104	102
September	178	69	476	31,220	1,311	111	-3,905	23,462	-319	27,634	1,161	98	96
October	185	72	518	32,539	1,367	116	-3,891	22,124	-1,339	29,986	1,259	107	104
November	190	74	519	33,383	1,402	119	-4,549	22,973	849	27,985	1,175	99	97
December	194	75	544	34,184	1,436	121	-4,680	24,418	1,445	28,059	1,178	100	98
Total	2,197	851	6,067	386,316	16,225	1,373	-46,223	24,418	920	339,173	14,245	1,205	1,181
2025 January	189	72	576	33,596	1,411	119	-4,724	25,774	ⁱ 1,416	27,455	1,153	98	95
February	171	65	479	30,354	1,275	108	-3,313	27,339	1,565	25,476	1,070	91	89
March	184	70	525	32,683	1,373	116	-4,671	27,378	39	27,973	1,175	99	97
April	172	66	500	30,649	1,287	109	-4,110	25,376	-2,003	28,541	1,199	101	99
May	180	69	538	32,098	1,348	114	-4,410	24,708	-668	28,356	1,191	101	99
June	182	69	523	32,317	1,357	115	-4,143	23,605	-1,102	29,276	1,230	104	102
July	188	72	551	33,461	1,405	119	-3,922	23,397	-208	29,748	1,249	106	104
August	188	72	550	33,494	1,407	119	-4,504	22,836	-561	29,551	1,241	105	103
September	177	67	551	31,505	1,323	112	-3,542	22,740	-96	28,059	1,178	100	98
October	192	73	595	34,112	1,433	121	-4,414	22,423	-318	30,015	1,261	107	104
November	188	72	575	33,522	1,408	119	-5,041	23,765	1,342	27,139	1,140	96	94
December	196	75	663	34,934	1,467	124	-5,256	23,530	-234	29,913	1,256	106	104
Total	2,207	841	6,624	392,724	16,494	1,396	-52,050	23,530	ⁱ -827	341,502	14,343	1,214	1,188
2026 January	189	72	647	33,738	1,417	120	-5,056	25,851	2,321	26,362	1,107	94	92
February	176	67	587	31,399	1,319	112	-5,007	27,698	1,847	24,545	1,031	87	85
March	192	73	603	34,174	1,435	121	-5,194	27,168	-530	29,510	1,239	105	103
April	174	66	518	30,925	1,299	110	-4,100	26,082	-1,086	27,911	1,172	99	97
May	193	73	544	34,220	1,437	122	-4,531	25,375	-707	30,396	1,277	108	106
5-Month Total ...	924	352	2,899	164,456	6,907	584	-23,887	25,375	1,844	138,725	5,826	493	482
2025 5-Month Total ...	896	341	2,617	159,378	6,694	566	-21,227	24,708	350	137,801	5,788	490	480
2024 5-Month Total ...	889	344	2,443	156,371	6,568	556	-19,293	22,750	-748	137,827	5,789	490	480

^a Includes denaturant.

^b Total corn and other biomass inputs to the production of undenatured ethanol used for fuel ethanol.

^c 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.

^d The amount of denaturant in fuel ethanol produced.

^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 2024 stocks value (24,358 thousand barrels), not the final 2024 value (24,418 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.