

**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						
<b>1981 Total</b> .....	13	6	40	1,978	83	7	NA	NA	NA	1,978	83	7	7
<b>1985 Total</b> .....	93	42	294	14,693	617	52	NA	NA	NA	14,693	617	52	51
<b>1990 Total</b> .....	111	49	356	17,802	748	63	NA	NA	NA	17,802	748	63	62
<b>1995 Total</b> .....	198	86	647	32,325	1,358	115	387	2,186	-207	32,919	1,383	117	114
<b>2000 Total</b> .....	233	99	773	38,627	1,622	138	116	3,400	-624	39,367	1,653	140	137
<b>2001 Total</b> .....	253	108	841	42,028	1,765	150	315	4,298	898	41,445	1,741	148	144
<b>2002 Total</b> .....	307	130	1,019	50,956	2,140	182	306	6,200	1,902	49,360	2,073	176	171
<b>2003 Total</b> .....	400	168	1,335	66,772	2,804	238	292	5,978	-222	67,286	2,826	240	233
<b>2004 Total</b> .....	482	201	1,621	81,058	3,404	289	3,542	6,002	24	84,576	3,552	301	293
<b>2005 Total</b> .....	550	227	1,859	92,961	3,904	331	3,234	5,563	-439	96,634	4,059	344	335
<b>2006 Total</b> .....	683	280	2,326	116,294	4,884	414	17,408	8,760	3,197	130,505	5,481	465	453
<b>2007 Total</b> .....	907	368	3,105	155,263	6,521	553	10,457	10,535	1,775	163,945	6,886	584	569
<b>2008 Total</b> .....	1,286	518	4,433	221,637	9,309	790	12,610	14,226	3,691	230,556	9,683	821	800
<b>2009 Total</b> .....	1,503	602	5,688	260,424	10,938	928	4,720	16,594	2,368	262,776	11,037	936	910
<b>2010 Total</b> .....	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
<b>2011 Total</b> .....	1,904	754	6,649	331,646	13,929	1,181	-24,365	18,238	297	306,984	12,893	1,093	1,065
<b>2012 Total</b> .....	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
<b>2013 Total</b> .....	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
<b>2014 Total</b> .....	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
<b>2015 January</b> .....	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
<b>Total</b> .....	<b>1,998</b>	<b>774</b>	<b>6,636</b>	<b>352,553</b>	<b>14,807</b>	<b>1,254</b>	<b>-17,632</b>	<b>21,596</b>	<b>2,857</b>	<b>332,064</b>	<b>13,947</b>	<b>1,181</b>	<b>1,153</b>
<b>2016 January</b> .....	R 172	R 66	R 617	R 30,452	R 1,279	R 108	R -2,294	R 23,347	R 1,751	R 26,407	R 1,109	R 94	R 92
February .....	R 162	R 63	R 586	R 28,810	R 1,210	R 103	R -2,024	R 23,171	R -176	R 26,962	R 1,132	R 96	R 93
March .....	R 175	R 67	R 601	R 30,957	R 1,300	R 110	R -2,612	R 22,730	R -441	R 28,786	R 1,209	R 102	R 100
April .....	R 159	R 61	R 557	R 28,208	R 1,185	R 100	R -2,919	R 21,336	R -1,394	R 26,683	R 1,121	R 95	R 93
May .....	R 171	R 66	R 586	R 30,346	R 1,275	R 108	R -1,627	R 20,962	R -374	R 29,093	R 1,222	R 104	R 101
June .....	R 172	R 66	R 567	R 30,443	R 1,279	R 108	R -1,045	R 21,284	R 322	R 29,076	R 1,221	R 103	R 101
July .....	R 178	R 68	R 570	R 31,469	R 1,322	R 112	R -1,641	R 21,381	R 97	R 29,731	R 1,249	R 106	R 103
August .....	R 180	R 69	R 564	R 31,856	R 1,338	R 113	R -1,924	R 21,198	R -183	R 30,115	R 1,265	R 107	R 105
September .....	R 170	R 65	R 544	R 30,048	R 1,262	R 107	R -2,315	R 20,713	R -485	R 28,218	R 1,185	R 100	R 98
October .....	R 175	R 67	R 563	R 31,006	R 1,302	R 110	R -2,946	R 20,113	R -600	R 28,660	R 1,204	R 102	R 100
November .....	R 173	R 67	R 559	R 30,706	R 1,290	R 109	R -3,074	R 19,463	R -650	R 28,282	R 1,188	R 101	R 98
December .....	R 185	R 71	R 606	R 32,680	R 1,373	R 116	R -2,583	R 19,758	R 295	R 29,802	R 1,252	R 106	R 104
<b>Total</b> .....	<b>R 2,072</b>	<b>R 798</b>	<b>R 6,920</b>	<b>R 366,981</b>	<b>R 15,413</b>	<b>R 1,306</b>	<b>R -27,002</b>	<b>R 19,758</b>	<b>R -1,838</b>	<b>R 341,817</b>	<b>R 14,356</b>	<b>R 1,216</b>	<b>R 1,187</b>
<b>2017 January</b> .....	R 183	R 70	593	R 32,577	R 1,368	R 116	R -2,901	R 22,624	iR 3,093	R 26,583	R 1,116	95	R 92
February .....	R 164	R 63	541	R 29,052	R 1,220	R 103	R -3,349	R 23,015	R 391	R 25,312	R 1,063	90	88
March .....	181	69	597	32,161	1,351	114	-3,044	23,759	R 744	R 28,373	1,192	101	99
April .....	166	64	540	29,500	1,239	105	-1,981	23,593	-166	27,685	1,163	99	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
<b>6-Month Total</b> ...	<b>1,045</b>	<b>400</b>	<b>3,368</b>	<b>185,657</b>	<b>7,798</b>	<b>661</b>	<b>-16,043</b>	<b>21,763</b>	<b>2,232</b>	<b>167,382</b>	<b>7,030</b>	<b>596</b>	<b>582</b>
<b>2016 6-Month Total</b> ...	<b>1,011</b>	<b>389</b>	<b>3,514</b>	<b>179,216</b>	<b>7,527</b>	<b>638</b>	<b>-12,519</b>	<b>21,284</b>	<b>-312</b>	<b>167,009</b>	<b>7,014</b>	<b>594</b>	<b>579</b>
<b>2015 6-Month Total</b> ...	<b>982</b>	<b>380</b>	<b>3,290</b>	<b>173,329</b>	<b>7,280</b>	<b>617</b>	<b>-9,790</b>	<b>20,128</b>	<b>1,389</b>	<b>162,150</b>	<b>6,810</b>	<b>577</b>	<b>563</b>

<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."  
 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.