

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			
				Mmbl	MMgal	Tbtu	Net Imports ^e			Mmbl	Mmbl	Mmbl		Mmbl	MMgal	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			
1996 Total	141	61	464	23,178	973	83	313	2,065	-121	23,612	992	84	82			
1997 Total	186	80	613	30,674	1,288	109	85	2,925	860	29,899	1,256	107	104			
1998 Total	202	86	669	33,453	1,405	119	66	3,406	481	33,038	1,388	118	115			
1999 Total	211	90	698	34,881	1,465	124	87	4,024	618	34,350	1,443	122	119			
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	169	1,335	66,772	2,804	238	292	5,978	-222	67,286	2,826	240	233			
2004 Total	484	203	1,621	81,058	3,404	289	3,542	6,002	24	84,576	3,552	301	293			
2005 Total	552	230	1,859	92,961	3,904	331	3,234	5,563	-439	96,634	4,059	344	335			
2006 Total	688	285	2,326	116,294	4,884	414	17,408	8,760	3,197	130,505	5,481	465	453			
2007 Total	914	376	3,105	155,263	6,521	553	10,457	10,535	1,775	163,945	6,886	584	569			
2008 Total	1,300	531	4,433	221,637	9,309	790	12,610	14,226	3,691	230,556	9,683	821	800			
2009 January	114	46	403	19,561	822	70	388	14,514	288	19,661	826	70	68			
February	106	43	409	18,255	767	65	56	15,834	1,320	16,991	714	61	59			
March	117	48	452	20,121	845	72	79	16,411	577	19,623	824	70	68			
April	113	46	427	19,374	814	69	166	15,322	-1,089	20,629	866	74	71			
May	123	50	459	21,024	883	75	507	14,173	-1,149	22,680	953	81	79			
June	123	50	455	21,125	887	75	705	13,974	-199	22,029	925	78	76			
July	133	54	503	22,887	961	82	960	14,223	249	23,598	991	84	82			
August	135	55	494	23,136	972	82	983	14,671	448	23,671	994	84	82			
September	129	53	479	22,218	933	79	310	15,283	612	21,916	920	78	76			
October	137	55	515	23,467	986	84	269	14,933	-350	24,086	1,012	86	83			
November	141	57	523	24,122	1,013	86	285	15,578	645	23,762	998	85	82			
December	146	59	569	25,134	1,056	90	12	16,594	1,016	24,130	1,013	86	83			
Total	1,517	616	5,688	260,424	10,938	928	4,720	16,594	2,368	262,776	11,037	936	910			
2010 January	149	60	541	25,625	1,076	91	-234	18,251	1,657	23,734	997	85	82			
February	138	56	496	23,802	1,000	85	-482	19,297	1,046	22,274	936	79	77			
March	154	62	537	26,486	1,112	94	-1,104	20,222	925	24,457	1,027	87	85			
April	147	59	522	25,384	1,066	90	-927	20,042	-180	24,637	1,035	88	85			
May	152	61	534	26,244	1,102	93	-368	19,851	-191	26,067	1,095	93	90			
June	149	60	522	25,632	1,077	91	-341	18,565	-1,286	26,577	1,116	95	92			
July	154	62	543	26,584	1,117	95	-578	17,809	-756	26,762	1,124	95	93			
August	157	63	538	26,964	1,132	96	-695	17,380	-429	26,698	1,121	95	93			
September	152	61	533	26,221	1,101	93	-924	17,437	57	25,240	1,060	90	88			
October	160	64	563	27,471	1,154	98	-830	17,278	-159	26,800	1,126	95	93			
November	161	65	585	27,747	1,165	99	-923	18,150	872	25,952	1,090	92	90			
December	165	67	592	28,457	1,195	101	-1,711	17,941	-209	26,955	1,132	96	93			
Total	1,839	741	6,506	316,617	13,298	1,127	-9,115	17,941	1,347	306,155	12,858	1,090	1,061			
2011 January	165	66	581	28,524	1,198	102	-1,359	20,672	1,273	24,433	1,026	87	85			
February	147	59	535	25,400	1,067	90	-1,425	20,809	137	23,838	1,001	85	83			
March	163	65	548	28,194	1,184	100	-2,003	21,440	631	25,560	1,074	91	89			
April	154	62	507	26,591	1,117	95	-2,865	20,807	-633	24,359	1,023	87	85			
May	161	64	545	27,756	1,166	99	-1,743	20,387	-420	26,433	1,110	94	92			
June	157	63	535	27,064	1,137	96	-1,533	18,833	-1,554	27,085	1,138	96	94			
July	160	64	555	27,624	1,160	98	-2,731	18,700	-133	25,026	1,051	89	87			
August	163	65	575	28,110	1,181	100	-790	17,900	-800	28,120	1,181	100	97			
September	154	62	525	26,645	1,119	95	-1,820	18,437	537	24,288	1,020	86	84			
October	163	65	557	28,092	1,180	100	-2,388	18,072	-365	26,069	1,095	93	90			
10-Month Total	1,585	635	5,463	274,000	11,508	976	-18,657	18,072	132	255,211	10,719	909	885			
2010 10-Month Total	1,513	610	5,329	260,413	10,937	927	-6,481	17,278	684	253,248	10,636	902	878			
2009 10-Month Total	1,231	499	4,596	211,168	8,869	752	4,423	14,933	707	214,884	9,025	766	744			

^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 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 December 2010 stocks value (17,940 thousand

barrels, not the final December 2010 value (17,941 thousand barrels) that is shown under "Stocks."

NA=Not available.

Notes: • Mmbl = 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> for all available data beginning in 1981.

Sources: See end of section.