



Independent Statistics & Analysis
U.S. Energy Information
Administration

Monthly Biodiesel Production Report

With data for August 2018

October 2018



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Biodiesel Highlights and Background, Data for August 2018

Highlights

Production – U.S. production of biodiesel was 169 million gallons in August 2018. Biodiesel production during August 2018 was 5 million gallons higher than production in July 2018 . Biodiesel production from the Midwest region (Petroleum Administration for Defense District 2) accounted for 65 percent of the United States total. Production came from 94 biodiesel plants with capacity of 2.4 billion gallons per year.

Sales – Producer sales of biodiesel during August 2018 included 77 million gallons sold as B100 (100% biodiesel) and an additional 101 million gallons of B100 sold in biodiesel blends with diesel fuel derived from petroleum.

Feedstocks – There were a total of 1,316 million pounds of feedstocks used to produce biodiesel in August 2018. Soybean oil remained the largest biodiesel feedstock during August 2018 with 705 million pounds consumed.

Background

The Monthly Biodiesel Production Report provides data on operations of the U.S. biodiesel industry as part of EIA's response to section 1508 of the Energy Policy Act of 2005 which directed EIA to publish information on renewable fuels including biodiesel. Data are provided for the U.S. and in selected cases by state and region.

The source of data is [Form EIA-22M Monthly Biodiesel Production Survey](#), used to collect the following information from registered producers of biodiesel.

- plant location, operating status, and annual production capacity
- production of 100% biodiesel (B100)
- biodiesel coproduct production
- stocks
- feedstock, alcohol input, and catalysts used in biodiesel production
- sales of B100 and blended biodiesel from producing plants

Form EIA-22M provides data necessary to monitor growth of the biodiesel industry in order to allow Congress to assess whether objectives of Section 503 of the Energy Policy Act of 1992 and Section 1508 of the Energy Policy Act of 2005 are being achieved.

Table 1. U.S. Biodiesel production capacity and production

million gallons

Period	Annual Production Capacity	Monthly B100 Production
2016		
January	2,270	105
February	2,270	105
March	2,299	121
April	2,290	120
May	2,275	135
June	2,275	135
July	2,275	140
August	2,275	142
September	2,279	135
October	2,312	144
November	2,312	143
December	2,316	144
Total	--	1,569
2017		
January	2,316	93
February	2,316	94
March	2,362	116
April	2,328	127
May	2,329	136
June	2,329	140
July	2,330	150
August	2,321	149
September	2,350	147
October	2,357	148
November	2,417	148
December	2,401	148
Total	--	1,596
2018		
January	2,428	124
February	2,429	126
March	2,427	147
April	2,446	141
May	2,390	150
June	2,385	157
July	2,383	164
August	2,386	169
8 Month Total	--	1,179
2017 8 Month Total	--	1,005
2016 8 Month Total	--	1,003

-- = Not Applicable

R = Revised

Totals may not equal the sum of components due to independent rounding.

B100 is the industry designation for pure biodiesel; a biodiesel blend contains both pure biodiesel and petroleum diesel fuel.

Source: U.S. Energy Information Administration, Form EIA-22M "Monthly Biodiesel Production Survey"

Table 2. U.S. Biodiesel production, sales, and stocks

million gallons

Period	B100 production	Sales of B100	Sales of B100 included in biodiesel blends	Ending stocks of B100	B100 stock change
2016					
January	105	46	45	57	13
February	105	44	56	61	5
March	121	62	64	56	(5)
April	120	65	61	49	(7)
May	135	67	68	50	1
June	135	68	72	45	(5)
July	140	79	60	46	1
August	142	84	66	38	(8)
September	135	70	69	35	(3)
October	144	74	67	38	3
November	143	74	63	44	6
December	144	84	76	29	(16)
Total	1,569	818	767	--	(16)
2017					
January	93	35	37	49	20
February	94	37	47	59	10
March	116	51	61	62	4
April	127	51	71	66	4
May	136	66	82	55	(11)
June	140	62	84	50	(5)
July	150	63	87	49	0
August	149	63	89	46	(3)
September	147	61	83	49	2
October	148	53	91	51	3
November	148	55	92	52	1
December	148	56	99	44	(8)
Total	1,596	655	924	--	16
2018					
January	124	51	65	52	8
February	126	49	70	60	8
March	147	55	91	62	2
April	141	57	87	59	(3)
May	150	71	90	48	(11)
June	157	70	88	48	0
July	164	71	96	45	(3)
August	169	77	101	37	(8)
8 Month Total	1,179	501	688	--	(7)
2017 8 Month Total	1,005	429	558	--	18
2016 8 Month Total	1,003	516	492	--	(6)

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B100 is the industry designation for pure biodiesel; a biodiesel blend contains both pure biodiesel and petroleum diesel fuel.

Source: U.S. Energy Information Administration, Form EIA-22M "Monthly Biodiesel Production Survey"

Table 3. U.S. Inputs to biodiesel production

million pounds

Period	Feedstock inputs						Animal fats	
	Vegetable oils						Poultry	Tallow
	Canola oil	Corn oil	Cottonseed oil	Palm oil	Soybean oil	Other		
2016								
January	61	94	-	(s)	392	3	11	23
February	47	88	-	-	416	W	11	19
March	68	93	-	-	464	1	15	15
April	92	87	-	-	415	W	19	38
May	122	94	-	-	544	W	20	24
June	129	103	-	-	520	W	17	36
July	115	127	-	-	536	W	21	36
August	109	123	-	-	561	W	27	32
September	117	106	(s)	-	537	W	21	29
October	117	120	-	-	526	W	20	31
November	98	136	-	-	596	W	20	25
December	55	135	-	-	610	(s)	17	23
Total	1,130	1,306	(s)	(s)	6,117	W	220	332
2017								
January	38	112	-	-	390	(s)	7	W
February	69	112	-	-	369	(s)	10	15
March	130	122	-	-	369	(s)	13	W
April	120	129	-	-	427	W	13	45
May	131	124	-	-	546	(s)	13	41
June	153	113	-	-	549	(s)	15	34
July	157	130	-	-	606	(s)	W	36
August	143	143	-	-	608	(s)	18	39
September	84	144	W	-	604	(s)	13	33
October	159	132	W	-	577	(s)	20	38
November	141	153	W	-	591	(s)	24	34
December	128	165	W	-	594	(s)	13	30
Total	1,452	1,579	W	-	6,230	W	W	W
2018								
January	128	153	(s)	-	462	(s)	6	W
February	102	143	-	-	496	(s)	6	W
March	101	155	-	-	624	(s)	W	23
April	116	178	(s)	-	520	(s)	W	43
May	W	178	W	-	581	(s)	8	49
June	W	170	(s)	-	624	W	10	51
July	W	193	W	-	671	W	12	56
August	108	202	-	-	705	W	19	54
8 Month Total	860	1,372	10	(s)	4,683	W	77	324
2017 8 Month Total	940	985	-	-	3,864	(s)	89	W
2016 8 Month Total	743	809	-	(s)	3,848	W	141	223

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Totals may not equal the sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-22M "Monthly Biodiesel Production Survey"

Table 3a. U.S. Inputs to biodiesel production (continuation of table 3)

million pounds

Period	Feedstock inputs						Other inputs		
	Animal fats		Recycled feeds		Algae	Other	Alcohol	Catalysts	
	White grease	Other	Yellow grease	Other					
2016									
January	57	1	93	W	-	W	80	14	
February	53	7	109	W	-	6	85	14	
March	44	14	110	W	-	W	95	15	
April	53	12	118	W	(s)	W	87	14	
May	47	15	106	W	(s)	6	101	17	
June	42	5	113	W	-	6	101	17	
July	38	6	130	W	-	W	106	17	
August	38	4	127	W	-	8	108	18	
September	36	W	117	W	-	W	113	19	
October	47	W	137	W	-	6	123	21	
November	49	5	118	W	-	W	109	22	
December	74	W	112	W	-	W	171	23	
Total	578	W	1,389	W	(s)	W	1279	213	
2017									
January	47	1	84	W	(s)	2	78	17	
February	55	4	82	11	(s)	W	75	17	
March	67	4	116	W	-	W	92	20	
April	59	3	133	10	-	W	96	21	
May	49	5	131	W	-	W	103	21	
June	44	8	142	W	-	W	106	21	
July	33	W	135	W	-	W	111	27	
August	35	4	135	W	-	3	112	26	
September	46	4	127	W	-	W	110	25	
October	49	5	130	W	-	W	116	22	
November	49	5	131	W	-	W	116	23	
December	56	W	124	W	-	W	117	23	
Total	591	W	1,471	W	(s)	W	1,232	263	
2018									
January	44	4	103	W	(s)	1	98	20	
February	44	5	123	W	-	4	100	19	
March	49	5	138	11	-	W	118	23	
April	54	W	140	10	-	W	112	21	
May	53	5	154	12	-	W	120	23	
June	57	W	150	15	-	W	126	24	
July	51	6	152	12	-	W	131	24	
August	55	W	147	18	-	W	136	26	
8 Month Total	407	W	1,107	100	(s)	W	941	182	
2017 8 Month Total	390	30	958	W	(s)	W	774	168	
2016 8 Month Total	372	64	905	W	-	W	763	126	

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Totals may not equal the sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-22M "Monthly Biodiesel Production Survey"

Table 4. Biodiesel producers and production capacity by state, August 2018

State	Number of producers	Annual production capacity (million gallons per year)
Alabama	1	20
Alaska	1	0
Arizona	1	2
Arkansas	3	115
California	9	86
Colorado	-	-
Connecticut	1	25
Delaware	-	-
District of Columbia	-	-
Florida	2	13
Georgia	3	19
Hawaii	1	6
Idaho	-	-
Illinois	5	173
Indiana	2	104
Iowa	11	443
Kansas	2	51
Kentucky	1	49
Louisiana	-	-
Maine	1	1
Maryland	-	-
Massachusetts	1	1
Michigan	2	10
Minnesota	3	83
Mississippi	3	102
Missouri	9	202
Montana	-	-
Nebraska	1	3
Nevada	-	-
New Hampshire	1	4
New Jersey	-	-
New Mexico	1	1
New York	-	-
North Carolina	3	8
North Dakota	1	85
Ohio	1	71
Oklahoma	1	38
Oregon	1	17
Pennsylvania	2	90
Rhode Island	1	2
South Carolina	1	5
South Dakota	-	-
Tennessee	1	2
Texas	8	370
Utah	1	40
Vermont	-	-
Virginia	4	9
Washington	2	109
West Virginia	-	-
Wisconsin	2	27
Wyoming	-	-
U.S. Total	94	2,386

- = No data reported.

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Number of producers is a count of plants with operable capacity during the report month.

Source: U.S. Energy Information Administration, Form EIA-22M "Monthly Biodiesel Production Survey"

Table 5. Biodiesel (B100) production by Petroleum Administration for Defense District (PADD)

million gallons

Period	PADD					U.S.
	East Coast (PADD 1)	Midwest (PADD 2)	Gulf Coast (PADD 3)	Rocky Mountain (PADD 4)	West Coast (PADD 5)	
2016						
January	6	74	16	(s)	8	105
February	7	72	22	(s)	5	105
March	8	83	22	(s)	8	121
April	7	83	21	(s)	9	120
May	8	91	26	(s)	11	135
June	8	92	24	(s)	11	135
July	8	96	25	(s)	11	140
August	7	97	26	(s)	12	142
September	7	89	27	(s)	12	135
October	8	97	28	(s)	12	144
November	7	96	28	(s)	13	143
December	8	91	31	(s)	13	144
Total	89	1,061	296	(s)	125	1,569
2017						
January	4	65	17	(s)	6	93
February	4	66	16	(s)	8	94
March	6	77	23	(s)	10	116
April	7	85	25	(s)	10	127
May	8	94	25	(s)	9	136
June	8	92	27	(s)	13	140
July	8	99	30	(s)	13	150
August	8	101	28	(s)	12	149
September	8	99	27	(s)	13	147
October	8	96	31	(s)	12	148
November	8	98	31	(s)	11	148
December	8	98	32	(s)	10	148
Total	85	1,070	312	(s)	127	1,596
2018						
January	7	84	23	(s)	11	124
February	8	85	24	(s)	9	126
March	10	98	29	(s)	10	147
April	9	94	27	(s)	12	141
May	9	97	30	(s)	14	150
June	9	104	30	(s)	13	157
July	10	108	32	(s)	13	164
August	10	110	36	(s)	14	169
8 Month Total	72	780	231	(s)	96	1,179
2017 8 Month Total	53	679	191	(s)	81	1,005
2016 8 Month Total	59	688	182	(s)	75	1,003

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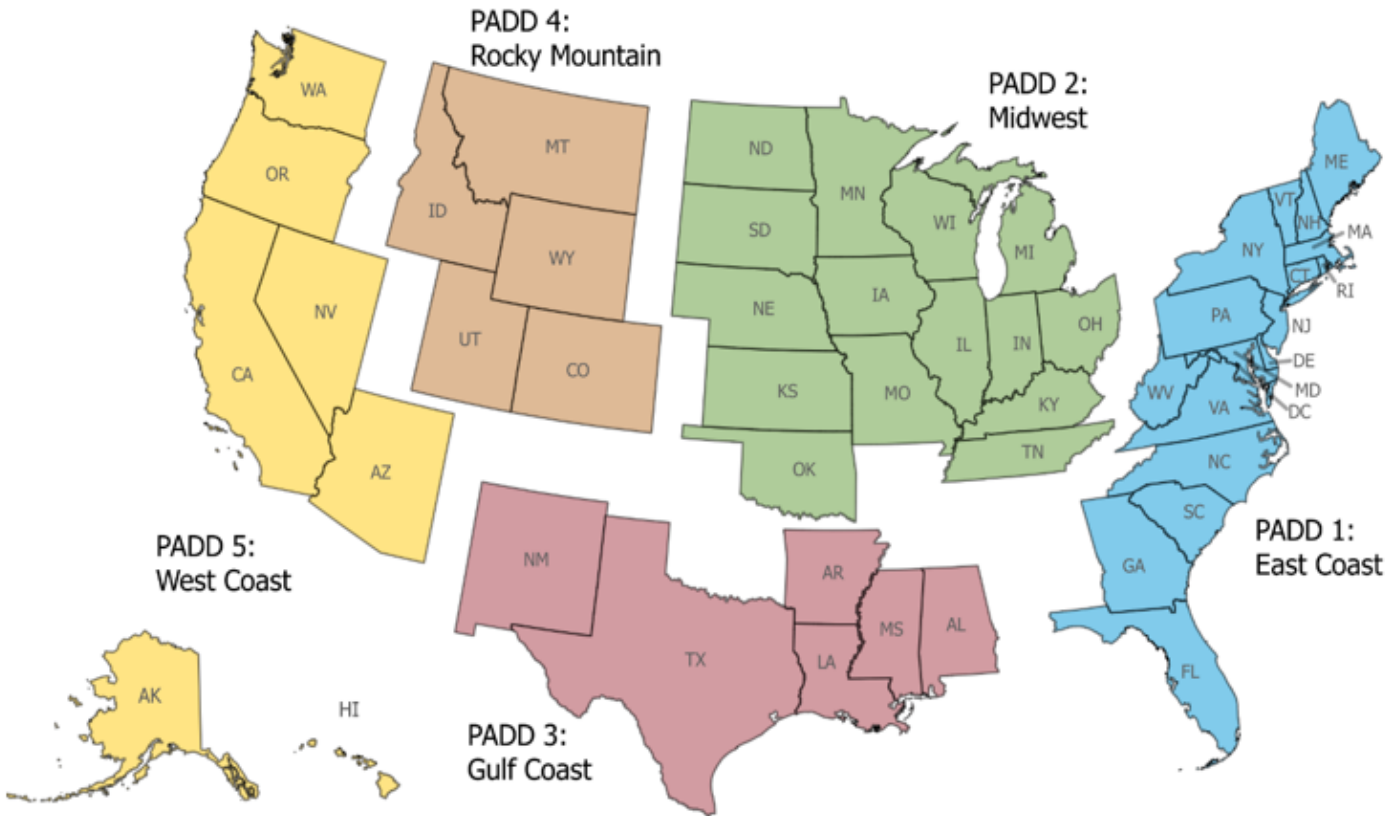
Totals may not equal the sum of components due to independent rounding.

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See Appendix A for a map of states included in each PADD.

Source: U.S. Energy Information Administration, Form EIA-22M "Monthly Biodiesel Production Survey"

Appendix A Petroleum Administration for Defense Districts (PADD)



NOTE: MAP NOT TO SCALE.