



Independent Statistics & Analysis

U.S. Energy Information
Administration

Monthly Biodiesel Production Report

With data for December 2020

February 2021



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Biodiesel Highlights for December 2020

Production – U.S. production of biodiesel was 159 million gallons in December 2020. Biodiesel production during December 2020 was 8 million gallons higher than production in November 2020. Biodiesel production from the Midwest region (Petroleum Administration for Defense District 2) accounted for 72 percent of the United States total. Production came from 85 biodiesel plants with capacity of 2.5 billion gallons per year.

Sales – Producer sales of biodiesel during December 2020 included 74 million gallons sold as pure B100 (100% biodiesel) and an additional 73 million gallons sold as biodiesel blends (contains both pure biodiesel and petroleum diesel fuel).

Feedstocks – There were a total of 1,176 million pounds of feedstocks used to produce biodiesel in December 2020. Soybean oil remained the largest biodiesel feedstock during December 2020 with 744 million pounds consumed.

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

million gallons

Period	Annual Production Capacity	Monthly B100 Production
2018		
January	2,549	126
February	2,550	128
March	2,548	149
April	2,567	143
May	2,511	151
June	2,512	159
July	2,512	166
August	2,512	172
September	2,512	164
October	2,517	171
November	2,502	160
December	2,507	168
12 Month Total	--	1,857
2019		
January	2,564	144
February	2,563	131
March	2,563	141
April	2,563	152
May	2,553	155
June	2,504	142
July	2,561	159
August	2,561	156
September	2,547	142
October	2,515	144
November	2,510	127
December	2,513	133
12 Month Total	--	1,725
2020		
January	2,515	134
February	2,515	132
March	2,514	151
April	2,514	144
May	2,514	152
June	2,514	151
July	2,509	162
August	2,459	163
September	2,460	159
October	2,454	160
November	2,451	151
December	2,476	159
12 Month Total	--	1,817
2019 12 Month Total	--	1,725
2018 12 Month Total	--	1,857

-- = 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

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

Beginning with data for October 2020, Form EIA-819 "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene"

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

million gallons

Period	B100 production	Sales of B100	Sales of biodiesel blends including petroleum	Ending stocks of B100	B100 stock change
2018					
January	126	51	66	52	8
February	128	48	72	60	8
March	149	54	92	62	2
April	143	57	88	59	(3)
May	151	71	92	48	(11)
June	159	69	90	48	0
July	166	71	98	45	(3)
August	172	77	103	38	(8)
September	164	68	92	42	4
October	171	69	101	43	1
November	160	62	92	49	6
December	168	67	107	44	(5)
12 Month Total	1,857	765	1,093	--	0
2019					
January	144	47	71	68	24
February	131	48	77	73	5
March	141	57	90	66	(7)
April	152	66	90	62	(4)
May	155	72	89	54	(8)
June	142	65	81	50	(4)
July	159	72	90	46	(3)
August	156	71	86	45	(2)
September	142	64	78	44	(1)
October	144	57	84	47	3
November	127	49	73	52	5
December	133	60	76	49	(4)
12 Month Total	1,725	729	987	--	5
2020					
January	134	56	71	56	7
February	132	54	77	56	0
March	151	64	84	61	5
April	144	70	78	57	(5)
May	152	71	72	66	9
June	151	72	85	59	(7)
July	162	69	98	53	(6)
August	163	73	96	46	(7)
September	159	69	96	40	(6)
October	160	74	82	45	5
November	151	73	72	52	7
December	159	74	73	49	(4)
12 Month Total	1,817	820	985	--	0
2019 12 Month Total	1,725	729	987	--	5
2018 12 Month Total	1,857	765	1,093	--	0

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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"

Beginning with data for October 2020, Form EIA-819 "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene"

Table 3. U.S. Inputs to biodiesel production

million pounds

Period	Feedstock inputs							Poultry	Tallow
	Vegetable oils						Animal fats		
	Canola oil	Corn oil	Cottonseed oil	Palm oil	Soybean oil	Other			
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	
September	96	169	W	-	689	W	17	49	
October	101	178	W	-	699	W	17	59	
November	W	185	W	-	704	W	13	30	
December	W	181	W	-	768	(s)	10	21	
12 Month Total	W	2,085	W	-	7,542	W	133	484	
2019									
January	W	145	W	-	623	(s)	W	24	
February	W	137	-	-	560	(s)	16	20	
March	83	141	(s)	-	617	W	W	24	
April	121	154	W	-	632	(s)	9	26	
May	W	144	W	-	659	W	19	29	
June	W	155	(s)	-	594	W	16	23	
July	118	154	(s)	-	709	W	18	22	
August	108	162	(s)	-	701	W	16	24	
September	124	134	W	-	599	W	11	24	
October	115	131	-	-	558	W	15	29	
November	100	142	-	-	527	W	12	26	
December	99	161	-	-	541	W	11	21	
12 Month Total	1,234	1,760	W	-	7,318	W	163	292	
2020									
January	109	177	-	-	521	W	11	W	
February	93	134	-	-	575	W	12	21	
March	131	145	-	-	656	W	24	W	
April	138	84	-	-	672	(s)	W	24	
May	130	84	-	-	805	W	9	12	
June	110	94	W	-	747	13	W	21	
July	W	133	W	-	775	W	W	54	
August	W	148	W	-	745	W	W	44	
September	W	136	-	-	737	W	23	27	
October	W	101	-	-	723	W	21	52	
November	W	133	-	-	683	-	14	33	
December	W	147	-	-	744	-	7	38	
12 Month Total	1,246	1,516	1	-	8,383	W	173	368	
2019 12 Month Total	1,234	1,760	W	-	7,318	W	163	292	
2018 12 Month Total	W	2,085	W	-	7,542	W	133	484	

-- No data reported

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

Beginning with data for October 2020, Form EIA-819 "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene"

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

million pounds

Period	Feedstock inputs					Other inputs ¹			
	Animal fats		Recycled feeds			Algae	Other	Alcohol	Catalysts
	White grease	Other	Yellow grease	Other					
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	
September	58	5	136	17	-	W	129	24	
October	59	3	148	13	-	W	137	25	
November	48	4	137	15	-	W	128	23	
December	45	4	140	22	-	W	150	26	
12 Month Total	618	53	1,668	168	-	W	1,485	280	
2019									
January	63	3	121	22	-	W	119	22	
February	49	4	124	17	-	W	104	20	
March	58	6	121	15	-	W	117	21	
April	57	3	134	24	-	W	151	25	
May	43	1	138	30	-	W	126	22	
June	45	(s)	119	W	-	W	115	21	
July	40	1	118	23	-	W	126	23	
August	30	W	115	28	-	9	127	23	
September	27	3	115	32	-	W	119	23	
October	46	2	116	28	-	W	120	30	
November	36	2	111	W	-	W	105	22	
December	41	W	113	W	-	W	119	21	
12 Month Total	536	W	1,445	W	-	W	1,448	274	
2020									
January	48	2	115	29	-	W	114	21	
February	43	3	91	23	-	W	104	20	
March	36	3	103	22	-	W	125	22	
April	42	7	71	18	-	W	117	22	
May	40	1	51	11	-	W	122	22	
June	53	W	70	12	-	W	121	23	
July	55	W	82	25	-	W	131	25	
August	55	W	80	26	-	W	165	25	
September	73	W	85	29	-	W	129	24	
October	57	3	108	W	-	W	NA	NA	
November	53	3	112	W	-	-	NA	NA	
December	57	4	86	W	-	-	NA	NA	
12 Month Total	612	37	1,053	240	-	W	NA	NA	
2019 12 Month Total	536	W	1,445	W	-	W	1,448	274	
2018 12 Month Total	618	53	1,668	168	-	W	1,485	280	

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¹ Beginning with data for October 2020, inputs of alcohol and catalysts are no longer collected.

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

Beginning with data for October 2020, Form EIA-819 "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene"

Table 4. Biodiesel producers and production capacity by state, December 2020

State	Number of producers	Annual production capacity (million gallons per year)
Alabama	1	20
Alaska	1	0
Arizona	1	2
Arkansas	3	115
California	8	81
Colorado	-	-
Connecticut	1	33
Delaware	-	-
District of Columbia	-	-
Florida	-	-
Georgia	3	19
Hawaii	1	6
Idaho	-	-
Illinois	5	168
Indiana	3	107
Iowa	10	459
Kansas	1	60
Kentucky	1	54
Louisiana	-	-
Maine	1	1
Maryland	-	-
Massachusetts	1	1
Michigan	2	15
Minnesota	3	85
Mississippi	3	102
Missouri	8	253
Montana	-	-
Nebraska	-	-
Nevada	-	-
New Hampshire	1	4
New Jersey	-	-
New Mexico	-	-
New York	-	-
North Carolina	1	2
North Dakota	1	85
Ohio	1	71
Oklahoma	1	38
Oregon	1	17
Pennsylvania	2	90
Rhode Island	1	7
South Carolina	1	5
South Dakota	-	-
Tennessee	2	38
Texas	8	380
Utah	-	-
Vermont	-	-
Virginia	4	13
Washington	2	112
West Virginia	-	-
Wisconsin	2	33
Wyoming	-	-
U.S. Total	85	2,476

- = No data reported.

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

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

Source: U.S. Energy Information Administration, Form EIA-819 "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene"

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)	
2018						
January	7	84	23	(s)	11	126
February	8	85	25	(s)	9	128
March	11	99	30	(s)	10	149
April	10	94	27	(s)	12	143
May	10	97	31	(s)	14	151
June	10	105	31	(s)	13	159
July	11	108	33	(s)	13	166
August	10	111	37	(s)	14	172
September	10	110	33	(s)	11	164
October	10	112	36	(s)	13	171
November	11	107	35	(s)	8	160
December	11	108	37	(s)	12	168
12 Month Total	119	1,220	378	(s)	140	1,857
2019						
January	9	94	28	(s)	13	144
February	10	87	28	(s)	6	131
March	8	97	27	(s)	9	141
April	9	101	30	(s)	12	152
May	8	106	26	(s)	14	155
June	7	97	26	(s)	11	142
July	7	107	31	(s)	13	159
August	6	105	31	(s)	14	156
September	6	97	26	(s)	13	142
October	6	98	29	(s)	11	144
November	6	87	26	(s)	9	127
December	6	90	27	(s)	9	133
12 Month Total	88	1,166	335	(s)	134	1,725
2020						
January	7	96	23	(s)	9	134
February	5	98	19	(s)	10	132
March	6	107	27	(s)	11	151
April	4	99	30	(s)	12	144
May	3	112	25	(s)	12	152
June	5	107	27	(s)	12	151
July	7	116	28	(s)	10	162
August	7	118	25	(s)	13	163
September	8	114	28	(s)	9	159
October	8	113	30	(s)	9	160
November	7	110	25	0	9	151
December	7	114	28	0	9	159
12 Month Total	74	1,304	315	(s)	125	1,817
2019 12 Month Total	88	1,166	335	(s)	134	1,725
2018 12 Month Total	119	1,220	378	(s)	140	1,857

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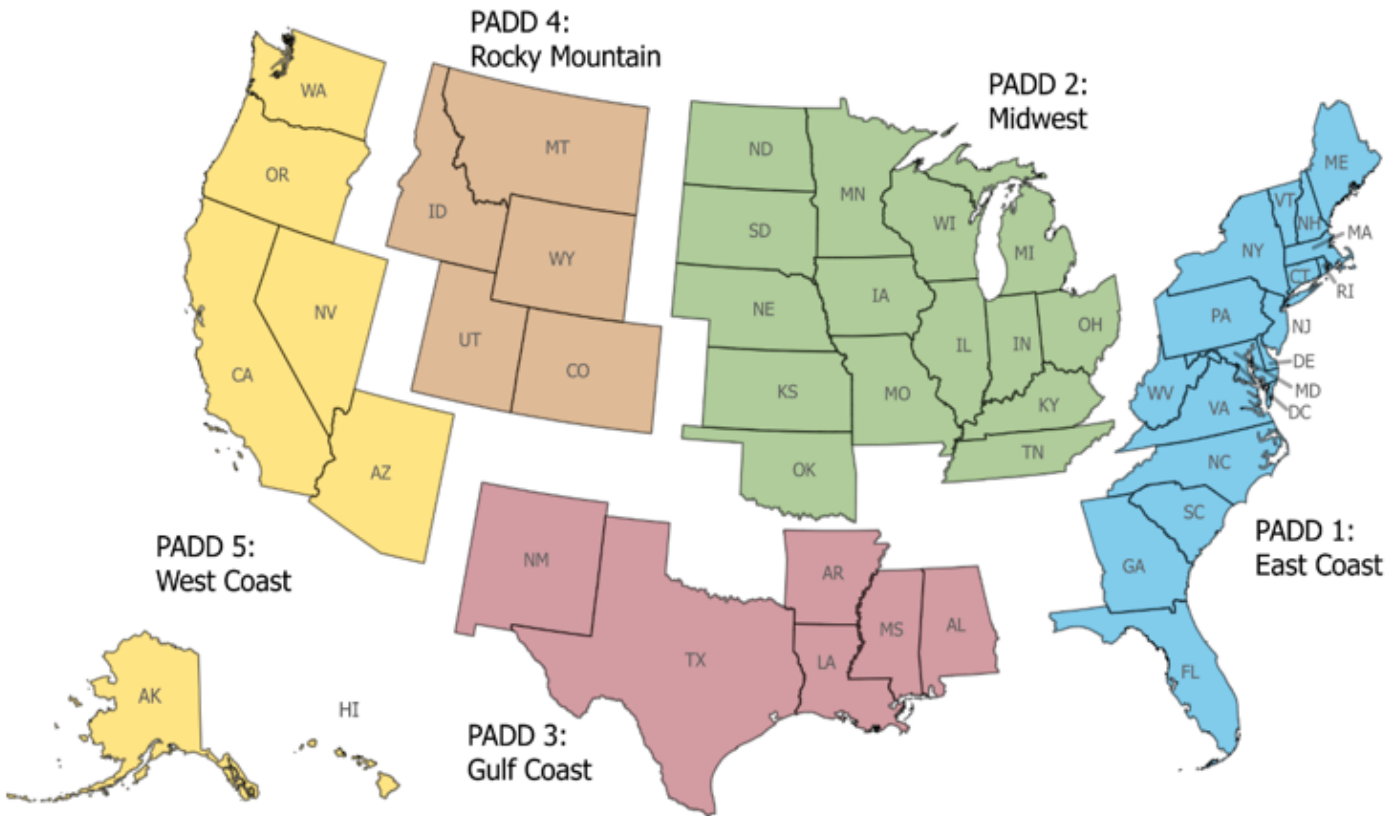
B100 is the industry designation for pure biodiesel; a biodiesel blend contains both pure biodiesel and petroleum diesel fuel.

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"

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Appendix A Petroleum Administration for Defense Districts (PADD)



NOTE: MAP NOT TO SCALE.