



Independent Statistics & Analysis
U.S. Energy Information
Administration

Monthly Biodiesel Production Report

With data for May 2017

July 2017



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Biodiesel Highlights and Background, Data for May 2017

Highlights

Production – U.S. production of biodiesel was 136 million gallons in May 2017. Biodiesel production during May 2017 was 9 million gallons higher than production in April 2017. Biodiesel production from the Midwest region (Petroleum Administration for Defense District 2) accounted for 69 percent of the United States total. Production came from 97 biodiesel plants with capacity of 2.3 billion gallons per year.

Sales – Producer sales of biodiesel during May 2017 included 66 million gallons sold as B100 (100% biodiesel) and an additional 82 million gallons of B100 sold in biodiesel blends with diesel fuel derived from petroleum

Feedstocks – There were a total of 1,054 million pounds of feedstocks used to produce biodiesel in May 2017. Soybean oil remained the largest biodiesel feedstock during May 2017 with 546 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
- sales of biodiesel to end-users

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
2015		
January	2,106	73
February	2,160	78
March	2,165	98
April	2,209	108
May	2,168	117
June	2,156	122
July	2,136	122
August	2,134	124
September	2,154	107
October	2,166	106
November	2,122	106
December	2,034	108
Total	--	1,268
2016		
January	2,237	105
February	2,237	105
March	2,266	121
April	2,257	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	2,314	144
Total	--	1,568
2017		
January	2,300	93
February	2,300	94
March	2,346	116
April	2,312	127
May	2,312	136
5 Month Total	--	565
2016 5 Month Total	--	586
2015 5 Month Total	--	473

-- = 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
2015					
January	73	39	22	30	15
February	78	51	19	39	9
March	98	63	29	45	6
April	108	70	37	46	1
May	117	76	45	42	(4)
June	122	80	45	38	(3)
July	122	74	52	47	9
August	124	75	46	42	(5)
September	107	71	42	32	(10)
October	106	65	39	35	3
November	106	52	40	48	13
December	108	64	49	44	(4)
Total	1,268	781	465	--	29
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	(15)
12 Month Total	1,568	818	767	--	(16)
2017					
January	93	35	37	49	20
February	94	37	46	59	10
March	116	51	61	62	4
April	127	51	71	66	4
May	136	66	82	55	(11)
5 Month Total	565	240	297	--	26
2016 5 Month Total	586	285	294	--	6
2015 5 Month Total	473	299	152	--	26

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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		
2015								
January	65	54	W	W	306	W	9	19
February	30	68	W	W	312	W	9	9
March	80	72	W	W	381	W	8	34
April	94	94	W	W	385	W	16	31
May	55	87	W	W	443	W	23	49
June	56	78	W	W	474	W	20	57
July	76	110	W	W	447	W	18	48
August	73	111	W	W	464	W	21	44
September	68	92	W	W	390	W	23	40
October	60	102	W	W	408	W	17	42
November	40	89	W	W	464	W	17	24
December	48	100	W	W	436	W	15	33
Total	745	1,057	-	1	4,908	W	197	429
2016								
January	61	94	-	(s)	392	3	11	23
February	47	88	-	-	395	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)	6,096	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
5 Month Total	487	598	-	-	2,101	W	56	W
2016 5 Month Total	390	456	-	(s)	2,210	W	76	119
2015 5 Month Total	324	375	W	W	1,827	W	66	141

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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					
2015									
January	29	0	53	W	-	4	54	10	
February	33	1	78	W	-	6	63	11	
March	43	4	93	W	-	10	74	14	
April	57	3	105	W	-	12	81	14	
May	60	9	120	W	-	9	92	15	
June	56	18	131	W	-	8	94	16	
July	49	3	131	W	-	14	95	15	
August	54	6	120	W	-	10	93	16	
September	54	2	108	W	-	6	79	14	
October	52	2	108	W	-	2	87	15	
November	45	4	103	W	-	6	84	15	
December	58	3	106	W	-	3	84	16	
Total	589	56	1,254	122	0	91	982	170	
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	
5 Month Total	278	18	546	W	(s)	W	444	94	
2016 5 Month Total	254	49	535	W	-	W	448	73	
2015 5 Month Total	222	17	449	W	-	41	364	63	

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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, May 2017

State	Number of producers	Annual production capacity (million gallons per year)
Alabama	2	29
Alaska	1	0
Arizona	1	2
Arkansas	2	75
California	7	76
Colorado	-	-
Connecticut	1	15
Delaware	-	-
District of Columbia	-	-
Florida	3	15
Georgia	4	20
Hawaii	1	6
Idaho	-	-
Illinois	5	166
Indiana	2	104
Iowa	11	370
Kansas	2	51
Kentucky	1	49
Louisiana	-	-
Maine	1	1
Maryland	-	-
Massachusetts	1	-
Michigan	2	10
Minnesota	3	69
Mississippi	3	94
Missouri	9	187
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	1
South Carolina	1	5
South Dakota	-	-
Tennessee	3	45
Texas	9	426
Utah	1	40
Vermont	-	-
Virginia	4	10
Washington	2	105
West Virginia	-	-
Wisconsin	2	26
Wyoming	-	-
U.S. Total	97	2,312

- = 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)	
2015						
January	3	54	9	(s)	7	73
February	3	56	12	(s)	6	78
March	5	68	16	(s)	8	98
April	6	75	18	(s)	9	108
May	6	81	19	(s)	9	117
June	6	84	21	(s)	10	122
July	7	87	17	(s)	11	122
August	6	86	21	(s)	10	124
September	6	74	17	(s)	9	107
October	5	73	19	(s)	9	106
November	5	75	20	(s)	6	106
December	6	78	20	(s)	4	108
Total	64	891	212	(s)	98	1,268
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	27	(s)	13	143
December	8	91	31	(s)	13	144
Total	89	1,061	295	(s)	125	1,568
2017						
January	4	65	17	(s)	6	93
February	4	66	15	(s)	8	94
March	6	77	23	(s)	10	116
April	6	85	25	(s)	10	127
May	8	94	25	(s)	9	136
5 Month Total	28	387	105	(s)	43	565
2016 5 Month Total	36	403	107	(s)	41	586
2015 5 Month Total	23	334	75	(s)	39	473

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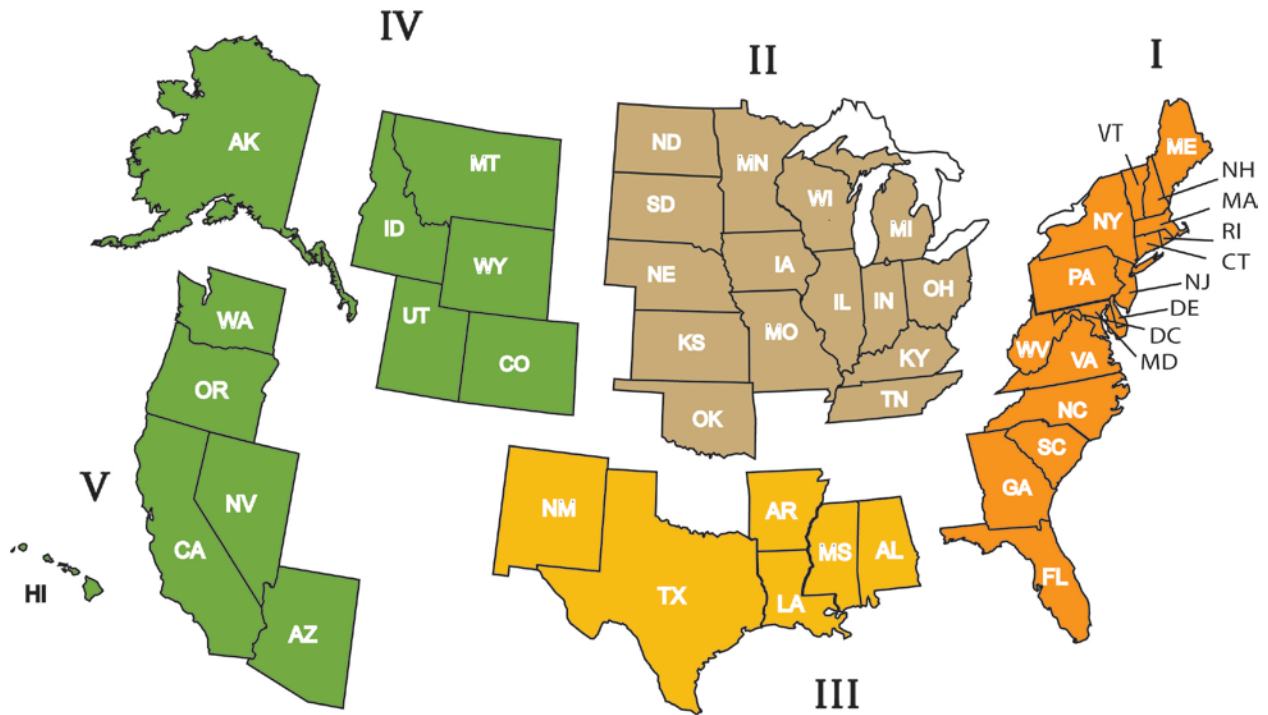
Totals may not equal the sum of components due to independent rounding.

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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.