



*Independent Statistics & Analysis*  
U.S. Energy Information  
Administration

# Monthly Biodiesel Production Report

With data for October 2017

December 2017



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## Biodiesel Highlights and Background, Data for October 2017

### *Highlights*

**Production** - U.S. production of biodiesel was 146 million gallons in October 2017. Biodiesel production during October 2017 was 1 million gallons lower than production in September 2017. Biodiesel production from the Midwest region (Petroleum Administration for Defense District 2) accounted for 66 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 October 2017 included 54 million gallons sold as B100 (100% biodiesel) and an additional 90 million gallons of B100 sold in biodiesel blends with diesel fuel derived from petroleum.

**Feedstocks** - There were a total of 1,126 million pounds of feedstocks used to produce biodiesel in October 2017. Soybean oil remained the largest biodiesel feedstock during October 2017 with 577 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
<b>2015</b>		
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
<b>Total</b>	--	<b>1,268</b>
<b>2016</b>		
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
<b>Total</b>	--	<b>1,569</b>
<b>2017</b>		
January	2,314	93
February	2,314	94
March	2,360	116
April	2,326	127
May	2,327	136
June	2,327	140
July	2,330	150
August	2,319	149
September	2,348	147
October	2,340	146
<b>10 Month Total</b>	--	<b>1,298</b>
<b>2016 10 Month Total</b>	--	<b>1,281</b>
<b>2015 10 Month Total</b>	--	<b>1,055</b>

-- = 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
<b>2015</b>					
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)
<b>Total</b>	<b>1,268</b>	<b>781</b>	<b>465</b>	<b>--</b>	<b>29</b>
<b>2016</b>					
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)
<b>12 Month Total</b>	<b>1,569</b>	<b>818</b>	<b>767</b>	<b>--</b>	<b>(16)</b>
<b>2017</b>					
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)
June	140	62	83	50	(5)
July	150	63	87	49	0
August	149	63	89	46	(3)
September	147	61	83	49	2
October	146	54	90	51	2
<b>10 Month Total</b>	<b>1,298</b>	<b>544</b>	<b>730</b>	<b>--</b>	<b>22</b>
<b>2016 10 Month Total</b>	<b>1,281</b>	<b>659</b>	<b>628</b>	<b>--</b>	<b>(6)</b>
<b>2015 10 Month Total</b>	<b>1,055</b>	<b>666</b>	<b>376</b>	<b>--</b>	<b>19</b>

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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 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		
<b>2015</b>								
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
<b>Total</b>	<b>745</b>	<b>1,057</b>	-	<b>1</b>	<b>4,908</b>	<b>W</b>	<b>197</b>	<b>429</b>
<b>2016</b>								
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
<b>Total</b>	<b>1,130</b>	<b>1,306</b>	(s)	(s)	<b>6,096</b>	<b>W</b>	<b>220</b>	<b>332</b>
<b>2017</b>								
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
<b>10 Month Total</b>	<b>1,183</b>	<b>1,260</b>	<b>W</b>	-	<b>5,045</b>	<b>W</b>	<b>W</b>	<b>W</b>
<b>2016 10 Month Total</b>	<b>977</b>	<b>1,035</b>	-	(s)	<b>4,889</b>	<b>W</b>	<b>182</b>	<b>284</b>
<b>2015 10 Month Total</b>	<b>657</b>	<b>868</b>	<b>W</b>	<b>W</b>	<b>4,009</b>	<b>W</b>	<b>165</b>	<b>373</b>

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**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					
<b>2015</b>									
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	
<b>Total</b>	<b>589</b>	<b>56</b>	<b>1,254</b>	<b>122</b>	<b>0</b>	<b>91</b>	<b>982</b>	<b>170</b>	
<b>2016</b>									
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	
<b>Total</b>	<b>578</b>	<b>W</b>	<b>1,389</b>	<b>W</b>	<b>(s)</b>	<b>W</b>	<b>1279</b>	<b>213</b>	
<b>2017</b>									
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	
<b>10 Month Total</b>	<b>485</b>	<b>W</b>	<b>1,216</b>	<b>W</b>	<b>(s)</b>	<b>W</b>	<b>999</b>	<b>216</b>	
<b>2016 10 Month Total</b>	<b>455</b>	<b>W</b>	<b>1,160</b>	<b>W</b>	<b>-</b>	<b>W</b>	<b>999</b>	<b>166</b>	
<b>2015 10 Month Total</b>	<b>486</b>	<b>48</b>	<b>1,047</b>	<b>W</b>	<b>-</b>	<b>82</b>	<b>812</b>	<b>140</b>	

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**Table 4. Biodiesel producers and production capacity by state, October 2017**

State	Number of producers	Annual production capacity (million gallons per year)
Alabama	1	20
Alaska	1	0
Arizona	1	2
Arkansas	2	75
California	8	80
Colorado	-	-
Connecticut	1	15
Delaware	-	-
District of Columbia	-	-
Florida	4	24
Georgia	4	20
Hawaii	1	6
Idaho	-	-
Illinois	5	171
Indiana	2	104
Iowa	11	378
Kansas	2	51
Kentucky	1	49
Louisiana	-	-
Maine	1	1
Maryland	-	-
Massachusetts	1	1
Michigan	2	10
Minnesota	3	83
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	2
South Carolina	1	5
South Dakota	-	-
Tennessee	3	45
Texas	9	416
Utah	1	40
Vermont	-	-
Virginia	4	9
Washington	2	107
West Virginia	-	-
Wisconsin	2	27
Wyoming	-	-
<b>U.S. Total</b>	<b>98</b>	<b>2,340</b>

- = 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-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)	
<b>2015</b>						
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	20	(s)	9	117
June	6	84	21	(s)	10	122
July	7	87	18	(s)	11	122
August	6	86	22	(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
<b>Total</b>	<b>64</b>	<b>891</b>	<b>212</b>	<b>(s)</b>	<b>98</b>	<b>1,268</b>
<b>2016</b>						
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
<b>Total</b>	<b>89</b>	<b>1,061</b>	<b>296</b>	<b>(s)</b>	<b>125</b>	<b>1,569</b>
<b>2017</b>						
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	100	27	(s)	13	147
October	8	96	30	(s)	12	146
<b>10 Month Total</b>	<b>69</b>	<b>875</b>	<b>248</b>	<b>(s)</b>	<b>106</b>	<b>1,298</b>
<b>2016 10 Month Total</b>	<b>74</b>	<b>874</b>	<b>237</b>	<b>(s)</b>	<b>99</b>	<b>1,281</b>
<b>2015 10 Month Total</b>	<b>53</b>	<b>738</b>	<b>172</b>	<b>(s)</b>	<b>88</b>	<b>1,055</b>

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R = Revised

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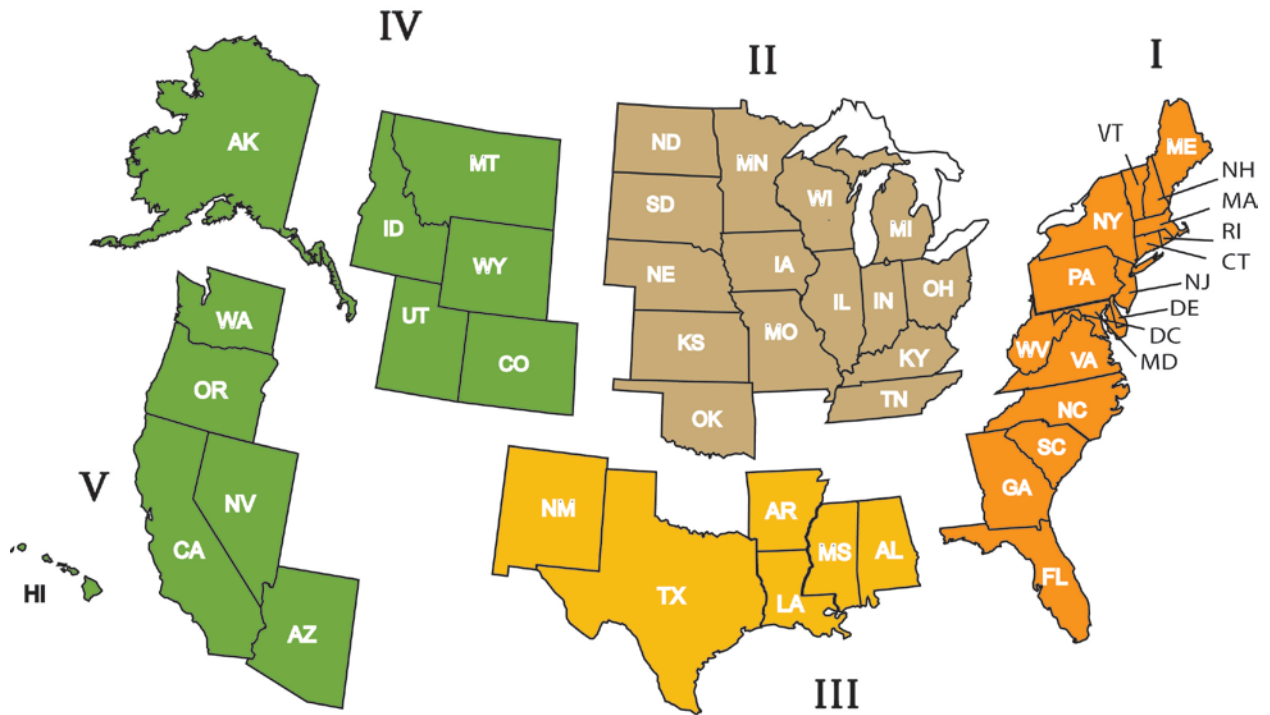
Totals may not equal the sum of components due to independent rounding.

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

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.