



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

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# Monthly Biodiesel Production Report

With data for December 2015

February 2016



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## Biodiesel Highlights and Background, Data for December 2015

### *Highlights*

**Production** – U.S. production of biodiesel was 108 million gallons in December 2015. Biodiesel production during December 2015 was about 2 million gallons higher than production in November 2015. Biodiesel production from the Midwest region (Petroleum Administration for Defense District 2) was about 72 percent of the United States total. Production came from 94 biodiesel plants with capacity of 2.0 billion gallons per year.

**Sales** – Producer sales of biodiesel during December 2015 included 64 million gallons sold as B100 (100% biodiesel) and an additional 49 million gallons of B100 sold in biodiesel blends with diesel fuel derived from petroleum.

**Feedstocks** – There were a total of 818 million pounds of feedstocks used to produce biodiesel in December 2015. Soybean oil remained the largest biodiesel feedstock during December 2015 with 436 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>2013</b>		
January	2,112	69
February	2,121	70
March	2,140	101
April	2,141	107
May	2,153	111
June	2,162	113
July	2,156	129
August	2,153	130
September	2,153	127
October	2,137	137
November	2,136	129
December	2,116	135
<b>Total</b>	--	<b>1,359</b>
<b>2014</b>		
January	1,959	73
February	2,100	76
March	2,071	99
April	2,079	93
May	2,120	106
June	2,002	110
July	2,105	121
August	2,116	124
September	2,131	114
October	2,140	122
November	2,131	109
December	2,130	123
<b>Total</b>	--	<b>1,270</b>
<b>2015</b>		
January	2,081	72
February	2,130	78
March	2,132	98
April	2,184	108
May	2,143	116
June	2,126	122
July	2,106	121
August	2,109	123
September	2,153	107
October	2,151	107
November	2,107	106
December	2,020	108
<b>12 Month Total</b>	--	<b>1,268</b>
<b>2014 12 Month Total</b>	--	<b>1,271</b>
<b>2013 12 Month Total</b>	--	<b>1,359</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>2013</b>					
January	69	52	15	31	1
February	70	46	23	33	2
March	101	70	29	35	2
April	107	79	31	34	(1)
May	111	77	40	27	(6)
June	113	78	36	28	1
July	129	88	40	30	2
August	130	91	40	28	(2)
September	127	92	37	27	(1)
October	137	99	42	23	(3)
November	129	87	33	34	10
December	135	84	64	20	(14)
<b>Total</b>	<b>1,359</b>	<b>942</b>	<b>434</b>	--	<b>(11)</b>
<b>2014</b>					
January	73	50	17	26	6
February	76	52	20	32	7
March	99	67	31	36	4
April	93	58	33	39	3
May	106	67	42	36	(2)
June	110	70	41	34	(2)
July	121	79	43	36	2
August	124	77	48	34	(2)
September	114	71	47	30	(5)
October	122	76	45	32	3
November	109	61	40	41	9
December	123	65	83	15	(26)
<b>Total</b>	<b>1,270</b>	<b>792</b>	<b>491</b>	--	<b>(5)</b>
<b>2015</b>					
January	72	39	22	29	14
February	78	51	18	38	9
March	98	62	29	45	7
April	108	70	37	46	1
May	116	77	44	41	(4)
June	122	80	45	38	(3)
July	121	74	52	45	7
August	123	75	45	40	(5)
September	107	71	42	32	(10)
October	107	66	39	35	3
November	106	52	40	48	13
December	108	64	49	44	(4)
<b>12 Month Total</b>	<b>1,268</b>	<b>781</b>	<b>465</b>	--	<b>29</b>
<b>2014 12 Month Total</b>	<b>1,271</b>	<b>792</b>	<b>491</b>	--	<b>(4)</b>
<b>2013 12 Month Total</b>	<b>1,359</b>	<b>942</b>	<b>434</b>	--	<b>(11)</b>

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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							Poultry	Tallow
	Vegetable oils						Other		
	Canola oil	Corn oil	Cottonseed oil	Palm oil	Soybean oil	Other			
<b>2013</b>									
January	16	60	-	W	313	W	7	15	
February	38	61	-	W	287	W	8	28	
March	39	71	-	W	443	W	9	53	
April	47	71	-	W	423	W	15	56	
May	33	91	-	W	416	W	20	61	
June	28	98	-	W	486	2	19	58	
July	55	108	-	93	480	2	17	50	
August	79	106	-	W	513	2	17	51	
September	44	95	-	93	502	W	14	50	
October	82	103	-	100	551	W	13	23	
November	80	98	-	93	535	W	11	12	
December	105	104	-	63	559	W	11	8	
<b>Total</b>	<b>646</b>	<b>1,068</b>	<b>-</b>	<b>632</b>	<b>5,507</b>	<b>W</b>	<b>160</b>	<b>465</b>	
<b>2014</b>									
January	36	73	-	W	241	W	W	5	
February	27	54	-	-	277	W	W	21	
March	32	77	-	-	379	W	13	43	
April	58	66	-	W	360	W	17	33	
May	68	87	-	W	364	4	23	48	
June	91	75	-	W	467	W	18	21	
July	135	91	-	W	435	W	22	42	
August	136	91	-	W	448	38	15	35	
September	126	92	-	W	395	W	18	46	
October	133	86	-	W	459	W	12	29	
November	121	84	-	W	447	W	15	12	
December	85	94	-	W	531	W	12	21	
<b>Total</b>	<b>1,046</b>	<b>970</b>	<b>-</b>	<b>63</b>	<b>4,802</b>	<b>96</b>	<b>173</b>	<b>355</b>	
<b>2015</b>									
January	65	54	-	W	306	W	W	19	
February	W	63	-	W	311	W	9	9	
March	80	72	-	W	381	W	8	34	
April	94	94	-	W	385	W	16	31	
May	W	87	-	W	443	W	W	49	
June	56	78	-	W	474	W	20	57	
July	76	106	-	W	446	W	18	47	
August	73	108	-	W	464	2	21	44	
September	68	92	-	W	390	W	23	40	
October	60	102	-	-	408	W	W	42	
November	40	89	-	-	464	W	17	24	
December	48	100	-	-	436	1	15	33	
<b>12 Month Total</b>	<b>745</b>	<b>1,044</b>	<b>-</b>	<b>1</b>	<b>4,906</b>	<b>23</b>	<b>190</b>	<b>429</b>	
<b>2014 12 Month Total</b>	<b>1,048</b>	<b>977</b>	<b>W</b>	<b>W</b>	<b>4,870</b>	<b>W</b>	<b>176</b>	<b>380</b>	
<b>2013 12 Month Total</b>	<b>646</b>	<b>1066</b>	<b>W</b>	<b>W</b>	<b>5,508</b>	<b>W</b>	<b>161</b>	<b>465</b>	

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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					
<b>2013</b>									
January	31	3	54	23	-	1	52	8	
February	32	3	59	23	-	(s)	48	8	
March	36	2	77	15	-	(s)	66	11	
April	48	2	84	20	-	3	71	11	
May	41	W	92	20	-	W	78	12	
June	41	4	94	26	-	W	78	12	
July	43	2	101	31	-	W	91	13	
August	41	W	97	31	-	W	91	14	
September	38	W	108	22	-	W	90	13	
October	36	1	107	28	-	W	96	14	
November	34	W	91	32	-	W	88	12	
December	45	W	84	39	(s)	W	92	13	
<b>Total</b>	<b>468</b>	<b>W</b>	<b>1,046</b>	<b>310</b>	<b>(s)</b>	<b>W</b>	<b>940</b>	<b>139</b>	
<b>2014</b>									
January	25	W	60	11	-	21	116	8	
February	41	4	76	22	-	W	62	10	
March	41	3	93	21	W	W	77	9	
April	39	4	86	26	-	W	68	9	
May	46	4	105	34	W	W	78	11	
June	29	4	86	22	-	7	80	11	
July	37	4	98	W	-	29	85	13	
August	36	2	104	W	-	W	92	15	
September	41	1	105	W	W	15	86	14	
October	33	1	96	7	-	W	91	16	
November	24	1	73	5	W	W	78	14	
December	36	W	91	W	W	W	89	15	
<b>Total</b>	<b>427</b>	<b>30</b>	<b>1,074</b>	<b>186</b>	<b>1</b>	<b>151</b>	<b>941</b>	<b>145</b>	
<b>2015</b>									
January	28	W	52	W	-	W	54	9	
February	33	1	76	W	W	5	63	10	
March	43	4	92	W	-	10	74	14	
April	57	3	104	W	-	12	81	14	
May	60	W	110	W	-	W	90	15	
June	56	18	130	W	-	8	94	16	
July	49	3	127	W	W	14	94	15	
August	54	5	116	W	-	W	88	16	
September	54	2	108	W	-	6	79	14	
October	52	2	108	W	W	2	87	15	
November	45	4	103	W	-	6	84	15	
December	58	3	106	W	-	W	84	16	
<b>12 Month Total</b>	<b>588</b>	<b>55</b>	<b>1,232</b>	<b>122</b>	<b>0</b>	<b>90</b>	<b>972</b>	<b>169</b>	
<b>2014 12 Month Total</b>	<b>471</b>	<b>31</b>	<b>1,088</b>	<b>198</b>	<b>-</b>	<b>149</b>	<b>943</b>	<b>144</b>	
<b>2013 12 Month Total</b>	<b>466</b>	<b>25</b>	<b>1,048</b>	<b>310</b>	<b>-</b>	<b>48</b>	<b>941</b>	<b>141</b>	

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

**Table 4. Biodiesel producers and production capacity by state, December 2015**

State	Number of producers	Annual production capacity (million gallons per year)
Alabama	1	9
Alaska	1	0
Arizona	1	2
Arkansas	2	63
California	6	58
Colorado	-	-
Connecticut	1	10
Delaware	-	-
District of Columbia	-	-
Florida	4	15
Georgia	4	19
Hawaii	1	6
Idaho	-	-
Illinois	6	197
Indiana	3	120
Iowa	9	289
Kansas	3	53
Kentucky	1	45
Louisiana	-	-
Maine	1	1
Maryland	-	-
Massachusetts	1	1
Michigan	2	10
Minnesota	4	125
Mississippi	3	94
Missouri	8	169
Montana	-	-
Nebraska	1	3
Nevada	-	-
New Hampshire	1	4
New Jersey	-	-
New Mexico	1	1
New York	-	-
North Carolina	2	7
North Dakota	1	85
Ohio	1	65
Oklahoma	1	35
Oregon	1	17
Pennsylvania	1	45
Rhode Island	1	1
South Carolina	1	5
South Dakota	-	-
Tennessee	2	5
Texas	9	281
Utah	1	40
Vermont	-	-
Virginia	3	8
Washington	2	105
West Virginia	-	-
Wisconsin	3	29
Wyoming	-	-
<b>U.S. Total</b>	<b>94</b>	<b>2,020</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>2013</b>						
January	4	54	9	(s)	2	69
February	4	52	11	(s)	2	70
March	5	69	21	(s)	6	101
April	6	71	23	(s)	7	107
May	5	76	20	(s)	10	111
June	6	80	22	(s)	5	113
July	7	83	30	(s)	9	129
August	7	87	29	(s)	6	130
September	6	82	30	(s)	9	127
October	7	89	31	1	10	137
November	7	85	28	(s)	9	129
December	6	86	34	(s)	9	135
<b>Total</b>	<b>70</b>	<b>914</b>	<b>288</b>	<b>1</b>	<b>84</b>	<b>1,359</b>
<b>2014</b>						
January	3	50	17	(s)	2	73
February	5	57	10	(s)	4	76
March	5	75	12	(s)	6	99
April	6	68	14	(s)	5	93
May	5	76	17	1	8	106
June	5	85	13	1	6	110
July	6	86	20	1	9	121
August	7	85	22	1	10	124
September	8	79	19	(s)	8	114
October	5	86	23	(s)	8	122
November	3	78	19	(s)	8	109
December	4	88	24	(s)	7	123
<b>Total</b>	<b>61</b>	<b>913</b>	<b>210</b>	<b>4</b>	<b>81</b>	<b>1,270</b>
<b>2015</b>						
January	2	54	9	(s)	7	72
February	3	56	11	(s)	6	77
March	5	68	16	(s)	8	98
April	5	75	18	(s)	9	108
May	6	81	19	(s)	9	116
June	6	84	21	(s)	10	122
July	6	87	17	(s)	11	121
August	6	86	21	(s)	10	123
September	6	74	17	(s)	9	107
October	5	73	19	(s)	9	107
November	5	75	20	(s)	6	106
December	6	78	20	(s)	4	108
<b>12 Month Total</b>	<b>63</b>	<b>891</b>	<b>212</b>	<b>(s)</b>	<b>98</b>	<b>1,268</b>
<b>2014 12 Month Total</b>	<b>61</b>	<b>913</b>	<b>212</b>	<b>4</b>	<b>81</b>	<b>1,271</b>
<b>2013 12 Month Total</b>	<b>70</b>	<b>914</b>	<b>288</b>	<b>1</b>	<b>84</b>	<b>1,359</b>

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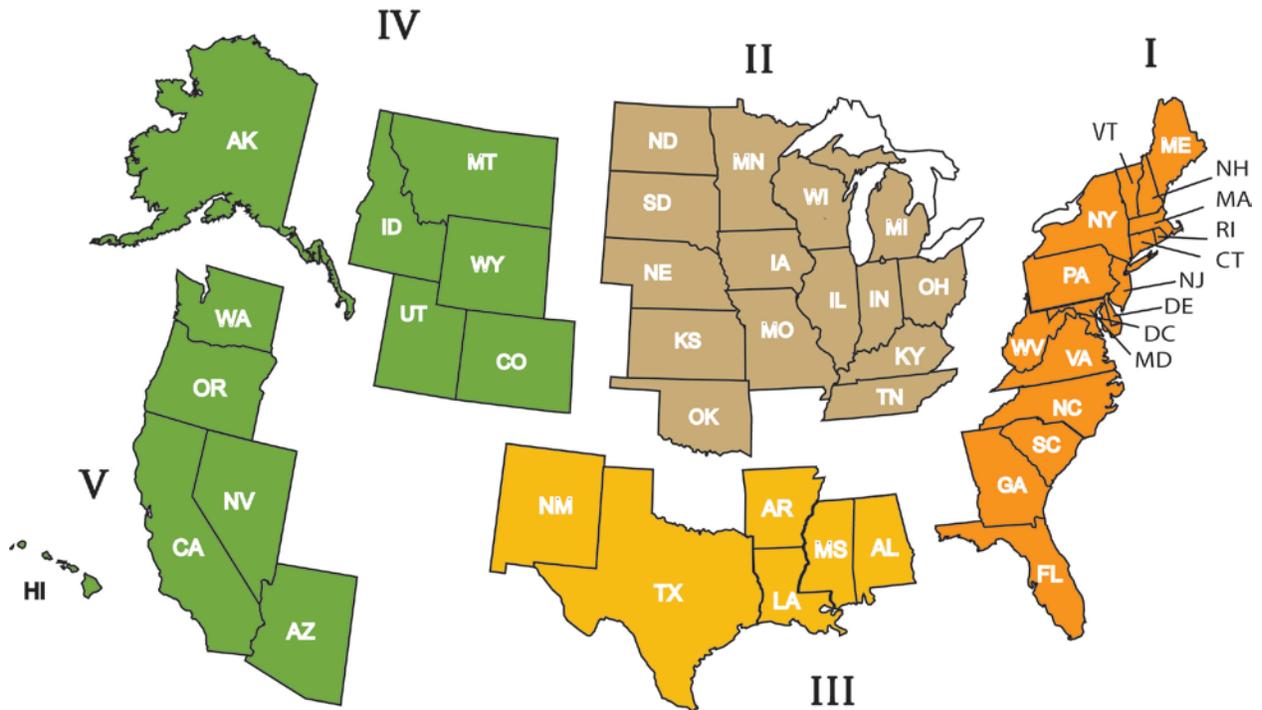
Totals may not equal the sum of components due to independent rounding.

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

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.