



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

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# Monthly Biodiesel Production Report

February 2014

With Data for December 2013



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## Biodiesel Highlights and Background, Data for December 2013

### Highlights

**Production** – U.S. production of biodiesel was 135 million gallons in December 2013. Biodiesel production during December 2013 was about 7 million gallons higher than production in November 2013. Biodiesel production from the Midwest region (Petroleum Administration for Defense District 2) was 64 percent of the U.S. total. Production came from 115 biodiesel plants with capacity of 2.2 billion gallons per year.

**Sales** – Producer sales of biodiesel during December 2013 included 79 million gallons sold as B100 (100% biodiesel) and an additional 69 million gallons of B100 sold in biodiesel blends with diesel fuel derived from petroleum.

**Feedstocks** – There were a total of 1,029 million pounds of feedstocks used to produce biodiesel in December 2013. Soybean oil remained the largest biodiesel feedstock during December 2013 with 559 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>2011</b>		
January	2,114	35
February	2,104	40
March	2,081	60
April	2,101	71
May	2,064	77
June	2,069	81
July	1,958	92
August	2,008	95
September	2,087	96
October	2,119	105
November	2,098	105
December	2,090	109
<b>Total</b>	--	<b>967</b>
<b>2012</b>		
January	2,203	74
February	2,203	79
March	2,188	95
April	2,158	94
May	2,151	102
June	2,138	93
July	2,134	89
August	2,135	91
September	2,165	82
October	2,162	75
November	2,091	57
December	2,054	59
<b>Total</b>	--	<b>991</b>
<b>2013</b>		
January	2,086	66
February	2,090	68
March	2,160	98
April	2,162	106
May	2,165	111
June	2,148	113
July	2,144	128
August	2,141	128
September	2,153	127
October	2,190	132
November	2,210	128
December	2,236	135
<b>12 Month Total</b>	--	<b>1,339</b>
<b>2012 12 Month Total</b>	--	<b>991</b>
<b>2011 12 Month Total</b>	--	<b>967</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>2011</b>					
January	35	22	9	17	4
February	40	27	13	17	1
March	60	41	17	19	2
April	71	47	22	21	2
May	77	50	27	23	2
June	81	62	24	19	(4)
July	92	66	22	23	4
August	95	64	30	25	2
September	96	68	37	21	(4)
October	105	69	36	25	4
November	105	66	39	26	1
December	109	59	62	14	(12)
<b>Total</b>	<b>967</b>	<b>641</b>	<b>339</b>	<b>--</b>	<b>1</b>
<b>2012</b>					
January	74	45	16	26	12
February	79	57	15	33	7
March	95	75	17	36	2
April	94	68	24	40	5
May	102	77	33	37	(3)
June	93	80	19	31	(6)
July	89	72	18	29	(1)
August	91	73	18	30	1
September	82	62	17	32	2
October	75	62	12	33	1
November	57	53	12	26	(8)
December	59	44	10	31	5
<b>Total</b>	<b>991</b>	<b>767</b>	<b>212</b>	<b>--</b>	<b>16</b>
<b>2013</b>					
January	66	52	15	31	(1)
February	68	44	23	33	2
March	98	68	29	35	2
April	106	79	31	34	(1)
May	111	77	40	28	(6)
June	113	77	36	28	1
July	128	87	40	30	2
August	128	91	40	28	(2)
September	127	92	37	27	(1)
October	132	92	41	26	(1)
November	128	86	33	34	10
December	135	79	69	20	(14)
<b>12 Month Total</b>	<b>1,339</b>	<b>923</b>	<b>433</b>	<b>--</b>	<b>(10)</b>
<b>2012 12 Month Total</b>	<b>991</b>	<b>767</b>	<b>212</b>	<b>--</b>	<b>16</b>
<b>2011 12 Month Total</b>	<b>967</b>	<b>641</b>	<b>339</b>	<b>--</b>	<b>1</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							
	Vegetable Oils						Animal Fats	
	Canola Oil	Corn Oil	Cottonseed Oil	Palm Oil	Soybean Oil	Other	Poultry	Tallow
<b>2011</b>								
January	8	17	-	W	150	W	14	11
February	26	13	-	W	150	W	14	11
March	68	14	-	W	190	W	19	27
April	88	20	-	W	236	W	15	47
May	113	21	-	W	264	W	16	36
June	75	34	-	W	311	W	23	49
July	77	35	-	W	367	W	26	64
August	84	37	W	W	398	W	34	38
September	84	27	W	W	430	W	20	49
October	69	30	W	W	527	W	31	39
November	84	27	W	W	538	W	13	31
December	71	30	W	W	592	W	15	27
<b>Total</b>	<b>847</b>	<b>304</b>	<b>W</b>	<b>W</b>	<b>4,153</b>	<b>W</b>	<b>240</b>	<b>431</b>
<b>2012</b>								
January	73	50	-	W	306	W	20	26
February	90	51	-	W	321	W	8	20
March	117	54	-	W	388	W	11	24
April	112	54	-	W	350	W	13	45
May	85	56	-	W	429	W	16	50
June	103	55	-	W	369	W	14	28
July	66	54	-	W	347	W	20	30
August	48	59	-	W	385	W	21	44
September	46	55	-	W	322	W	19	49
October	16	59	-	W	307	W	14	44
November	18	48	-	W	246	W	11	22
December	16	50	-	W	273	W	9	3
<b>12 Month Total</b>	<b>790</b>	<b>646</b>	<b>-</b>	<b>W</b>	<b>4,042</b>	<b>W</b>	<b>176</b>	<b>385</b>
<b>2013</b>								
January	16	60	-	W	300	W	7	15
February	38	61	-	W	275	W	8	28
March	39	71	-	W	424	W	9	53
April	47	71	-	W	423	W	15	56
May	W	91	-	W	416	W	20	61
June	W	98	-	W	461	W	19	54
July	W	108	-	93	480	2	17	45
August	79	106	-	W	510	2	17	48
September	W	95	-	93	502	2	14	50
October	82	85	-	100	551	W	13	23
November	80	98	-	93	531	W	11	12
December	105	104	-	63	559	W	11	8
<b>12 Month Total</b>	<b>673</b>	<b>1,049</b>	<b>-</b>	<b>632</b>	<b>5,431</b>	<b>W</b>	<b>160</b>	<b>452</b>
<b>2012 12 Month Total</b>	<b>790</b>	<b>646</b>	<b>-</b>	<b>W</b>	<b>4,042</b>	<b>W</b>	<b>176</b>	<b>385</b>
<b>2011 12 Month Total</b>	<b>847</b>	<b>304</b>	<b>W</b>	<b>W</b>	<b>4,153</b>	<b>W</b>	<b>240</b>	<b>431</b>

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

**Table 3a. 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				
2011								
January	31	3	18	10	-	7	20	4
February	48	2	19	11	-	4	20	3
March	60	12	33	10	-	7	34	5
April	55	8	52	11	-	(s)	46	7
May	57	10	41	15	-	(s)	48	8
June	55	7	50	18	-	1	58	9
July	49	6	45	20	-	2	62	9
August	48	15	47	19	-	5	63	9
September	40	4	50	21	-	(s)	64	9
October	29	7	42	21	-	(s)	71	10
November	35	8	39	20	-	(s)	71	10
December	26	5	35	20	-	(s)	68	11
12 Month Total	533	85	471	195	-	27	626	94
2012								
January	29	3	37	18	-	(s)	45	8
February	29	4	41	22	-	-	47	8
March	31	6	61	21	-	(s)	53	9
April	41	5	67	24	-	-	56	10
May	38	5	61	27	-	-	62	10
June	39	4	64	27	-	-	57	10
July	31	4	65	25	-	(s)	57	9
August	34	4	70	28	-	(s)	55	10
September	33	4	65	25	-	-	50	9
October	41	4	60	29	-	(s)	48	9
November	28	4	36	23	-	-	39	7
December	35	2	45	21	-	(s)	38	6
12 Month Total	408	48	670	289	-	1	607	105
2013								
January	31	3	46	23	-	1	50	7
February	32	3	51	23	-	(s)	47	7
March	36	2	72	15	-	(s)	63	10
April	48	2	79	19	-	3	70	11
May	41	W	88	20	-	W	78	12
June	41	4	93	26	-	W	77	12
July	43	2	97	31	-	W	90	13
August	41	W	92	31	-	W	89	13
September	38	W	107	22	-	W	89	13
October	36	1	81	27	-	W	81	13
November	34	W	87	28	-	W	86	12
December	45	W	84	39	(s)	W	92	13
12 Month Total	468	W	977	304	(s)	W	912	135
2012 12 Month Total	408	48	670	289	-	1	607	105
2011 12 Month Total	533	85	471	195	-	27	626	94

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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 2013**

State	Number of Producers	Annual Production Capacity (million gallons per year)
Alabama	2	46
Alaska	-	-
Arizona	1	2
Arkansas	3	85
California	9	61
Colorado	-	-
Connecticut	3	13
Delaware	-	-
District of Columbia	-	-
Florida	1	2
Georgia	3	16
Hawaii	1	6
Idaho	1	1
Illinois	5	167
Indiana	2	104
Iowa	10	290
Kansas	1	1
Kentucky	4	50
Louisiana	1	12
Maine	1	1
Maryland	-	-
Massachusetts	1	1
Michigan	2	18
Minnesota	4	107
Mississippi	3	105
Missouri	8	188
Montana	1	0
Nebraska	-	-
Nevada	1	1
New Hampshire	1	4
New Jersey	-	-
New Mexico	-	-
New York	2	20
North Carolina	4	10
North Dakota	1	85
Ohio	3	67
Oklahoma	2	45
Oregon	2	18
Pennsylvania	4	87
Rhode Island	1	1
South Carolina	2	40
South Dakota	-	-
Tennessee	1	2
Texas	14	431
Utah	1	10
Vermont	-	-
Virginia	3	9
Washington	3	104
West Virginia	-	-
Wisconsin	3	29
Wyoming	-	-
<b>U.S. Total</b>	<b>115</b>	<b>2,236</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)	
2011						
January	3	30	1	-	1	35
February	3	32	4	-	1	40
March	3	47	6	-	2	60
April	3	54	10	-	3	71
May	4	58	11	-	4	77
June	4	56	14	-	7	81
July	5	65	17	-	5	92
August	5	66	20	-	5	95
September	6	65	20	-	6	96
October	7	73	22	-	4	105
November	6	71	23	-	4	105
December	6	77	23	-	4	109
Total	56	695	171	-	46	967
2012						
January	5	50	15	(s)	3	74
February	4	54	18	(s)	3	79
March	6	67	18	(s)	4	95
April	6	63	21	1	3	94
May	7	71	20	1	4	102
June	6	67	17	(s)	3	93
July	5	66	15	(s)	3	89
August	6	66	16	(s)	2	91
September	6	60	14	(s)	3	82
October	5	54	14	(s)	2	75
November	2	44	8	(s)	2	57
December	5	48	4	1	1	59
Total	62	711	180	4	35	991
2013						
January	4	52	9	(s)	1	66
February	4	50	12	(s)	1	68
March	5	66	22	(s)	6	98
April	6	70	23	(s)	7	106
May	5	75	21	(s)	10	111
June	6	79	22	(s)	5	113
July	6	82	30	(s)	8	128
August	6	86	29	(s)	6	128
September	6	81	30	(s)	9	127
October	7	88	27	1	10	132
November	6	84	28	(s)	9	128
December	6	86	34	(s)	9	135
12 Month Total	67	899	287	3	81	1,339
2012 12 Month Total						
2012 12 Month Total	62	711	180	4	35	991
2011 12 Month Total						
2011 12 Month Total	56	695	171	-	46	967

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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"

## Appendix A Petroleum Administration for Defense Districts (PADD)

