



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

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# Monthly Biodiesel Production Report

January 2013

With Data for November 2012



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## Biodiesel Highlights and Background, Data for November 2012

### Highlights

**Production** – U.S. production of biodiesel was 57 million gallons in November 2012. Biodiesel production from the Midwest region (Petroleum Administration for Defense District 2) was 77% of the U.S. total. Production came from 112 biodiesel plants with operable capacity of 2.1 billion gallons per year. Biodiesel production during January-November 2012 was 912 million gallons, which was up from production of 858 million gallons during the first 11 months of 2011.

**Sales** – Producer sales of biodiesel during November 2012 included 53 million gallons sold as B100 (100% biodiesel) and an additional 12 million gallons of B100 sold in biodiesel blends with diesel fuel derived from petroleum.

**Feedstocks** – Soybean oil was the largest biodiesel feedstock during November 2012 with 244 million pounds consumed. The next three largest biodiesel feedstocks during the period were corn oil (48 million pounds), yellow grease (35 million pounds), and white grease (28 million pounds).

### 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>2010</b>		
January	2,026	27
February	2,026	29
March	1,972	34
April	1,950	34
May	1,939	32
June	1,966	27
July	1,962	28
August	2,015	27
September	2,021	30
October	2,021	28
November	2,013	22
December	2,014	25
<b>Total</b>	--	<b>343</b>
<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	2,140	71
February	2,111	77
March	2,110	92
April	2,122	92
May	2,123	100
June	2,120	91
July	2,090	87
August	2,106	90
September	2,106	81
October	2,121	75
November	2,130	57
<b>11 Month Total</b>	--	<b>912</b>
<b>2011 11 Month Total</b>	--	<b>858</b>
<b>2010 11 Month Total</b>	--	<b>319</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>2010</b>					
January	27	13	7	18	5
February	29	20	8	18	(s)
March	34	25	10	17	(1)
April	34	23	8	20	3
May	32	20	11	21	1
June	27	22	9	17	(4)
July	28	19	8	16	(s)
August	27	19	7	18	1
September	30	25	6	17	(1)
October	28	25	4	17	(s)
November	22	17	4	18	2
December	25	22	7	13	(5)
<b>Total</b>	<b>343</b>	<b>251</b>	<b>89</b>	--	(s)
<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>1</b>
<b>2012</b>					
January	71	45	21	26	12
February	77	56	19	33	7
March	92	73	32	35	2
April	92	68	31	40	5
May	100	75	35	37	(3)
June	91	77	19	31	(6)
July	87	70	18	29	(2)
August	90	72	17	30	1
September	81	61	17	32	2
October	75	62	12	33	1
November	57	53	12	26	(8)
<b>11 Month Total</b>	<b>912</b>	<b>712</b>	<b>233</b>	--	<b>11</b>
<b>2011 11 Month Total</b>	<b>858</b>	<b>582</b>	<b>277</b>	--	<b>13</b>
<b>2010 11 Month Total</b>	<b>319</b>	<b>229</b>	<b>82</b>	--	<b>6</b>

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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"

**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>2010</b>								
January	33	3	W	W	90	W	4	23
February	30	8	W	W	102	W	2	27
March	22	3	W	W	112	W	6	17
April	30	4	W	W	127	W	5	28
May	36	8	W	W	98	W	7	19
June	28	1	W	W	89	W	8	9
July	17	11	W	W	96	W	7	8
August	19	12	W	W	84	W	13	7
September	11	19	W	W	102	W	13	11
October	10	14	W	W	105	W	14	9
November	4	11	W	W	73	W	9	4
December	8	18	W	W	63	W	11	8
<b>Total</b>	<b>246</b>	<b>112</b>	<b>W</b>	<b>W</b>	<b>1,141</b>	<b>W</b>	<b>100</b>	<b>170</b>
<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	40	-	W	306	W	20	25
February	90	43	-	W	320	W	8	20
March	117	44	-	W	387	W	11	23
April	112	45	-	W	349	W	11	44
May	85	46	-	W	428	W	16	50
June	103	46	-	W	369	W	10	28
July	64	45	-	W	347	W	20	30
August	48	50	-	W	385	W	21	44
September	46	55	-	W	322	W	19	49
October	16	59	-	W	307	W	14	44
November	17	48	-	W	244	W	11	22
<b>11 Month Total</b>	<b>771</b>	<b>521</b>	<b>-</b>	<b>W</b>	<b>3,764</b>	<b>W</b>	<b>161</b>	<b>379</b>
<b>2011 11 Month Total</b>	<b>776</b>	<b>275</b>	<b>W</b>	<b>W</b>	<b>3,561</b>	<b>W</b>	<b>225</b>	<b>402</b>
<b>2010 11 Month Total</b>	<b>240</b>	<b>94</b>	<b>W</b>	<b>W</b>	<b>1,078</b>	<b>W</b>	<b>88</b>	<b>162</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. 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>2010</b>								
January	19	6	8	1	-	3	18	3
February	17	4	9	1	-	2	17	3
March	34	10	19	1	-	2	21	4
April	26	2	15	(s)	-	(s)	21	4
May	23	6	21	2	-	2	20	3
June	20	3	29	2	-	1	21	4
July	32	2	29	2	-	1	18	3
August	30	1	30	1	-	1	20	3
September	33	1	27	5	-	1	23	3
October	32	1	19	8	-	4	20	3
November	32	2	13	8	-	8	14	2
December	35	3	25	10	-	8	18	3
<b>Total</b>	<b>333</b>	<b>42</b>	<b>246</b>	<b>40</b>	<b>-</b>	<b>33</b>	<b>233</b>	<b>38</b>
<b>2011</b>								
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
<b>Total</b>	<b>533</b>	<b>85</b>	<b>471</b>	<b>195</b>	<b>-</b>	<b>27</b>	<b>626</b>	<b>94</b>
<b>2012</b>								
January	29	3	31	18	-	(s)	43	7
February	29	4	34	22	-	-	45	8
March	31	6	54	21	-	(s)	51	9
April	41	5	61	24	-	-	54	9
May	38	5	54	26	-	-	60	10
June	39	4	57	27	(s)	-	55	9
July	31	4	57	24	-	(s)	55	9
August	34	4	67	27	-	(s)	54	10
September	33	4	62	25	-	-	50	9
October	41	4	57	29	-	(s)	47	8
November	28	4	35	23	-	-	38	7
<b>11 Month Total</b>	<b>374</b>	<b>47</b>	<b>569</b>	<b>266</b>	<b>(s)</b>	<b>(s)</b>	<b>552</b>	<b>95</b>
<b>2011 11 Month Total</b>	<b>507</b>	<b>82</b>	<b>436</b>	<b>176</b>	<b>-</b>	<b>26</b>	<b>557</b>	<b>83</b>
<b>2010 11 Month Total</b>	<b>298</b>	<b>38</b>	<b>219</b>	<b>31</b>	<b>-</b>	<b>25</b>	<b>213</b>	<b>35</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, November 2012**

State	Number of Producers	Annual Production Capacity (million gallons per year)
Alabama	2	49
Alaska	-	-
Arizona	1	2
Arkansas	3	85
California	9	57
Colorado	-	-
Connecticut	2	3
Delaware	-	-
District of Columbia	-	-
Florida	1	3
Georgia	3	20
Hawaii	-	-
Idaho	-	-
Illinois	6	251
Indiana	2	104
Iowa	8	250
Kansas	1	1
Kentucky	5	71
Louisiana	1	12
Maine	1	1
Maryland	1	3
Massachusetts	1	1
Michigan	2	18
Minnesota	4	107
Mississippi	3	105
Missouri	8	170
Montana	1	0
Nebraska	-	-
Nevada	1	1
New Hampshire	1	3
New Jersey	-	-
New Mexico	-	-
New York	2	20
North Carolina	4	10
North Dakota	-	-
Ohio	3	67
Oklahoma	1	15
Oregon	1	1
Pennsylvania	6	90
Rhode Island	1	1
South Carolina	2	41
South Dakota	1	2
Tennessee	1	2
Texas	11	408
Utah	1	10
Vermont	-	-
Virginia	3	9
Washington	4	109
West Virginia	-	-
Wisconsin	4	31
Wyoming	-	-
<b>U.S. Total</b>	<b>112</b>	<b>2,130</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>2010</b>						
January	2	18	5	-	2	27
February	2	19	6	-	2	29
March	4	24	3	-	2	34
April	3	26	4	-	2	34
May	3	22	3	-	3	32
June	2	19	4	-	2	27
July	4	22	2	-	(s)	28
August	3	23	2	-	(s)	27
September	3	25	2	-	(s)	30
October	3	23	1	-	2	28
November	3	18	1	-	(s)	22
December	3	19	2	-	1	25
<b>Total</b>	<b>35</b>	<b>258</b>	<b>34</b>	<b>-</b>	<b>17</b>	<b>343</b>
<b>2011</b>						
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
<b>Total</b>	<b>56</b>	<b>695</b>	<b>171</b>	<b>-</b>	<b>46</b>	<b>967</b>
<b>2012</b>						
January	5	48	13	-	6	71
February	4	53	16	-	4	77
March	5	65	15	-	6	92
April	6	62	17	1	6	92
May	7	69	17	1	6	100
June	6	66	16	(s)	3	91
July	5	65	14	(s)	3	87
August	6	65	16	(s)	2	90
September	5	60	14	(s)	2	81
October	5	55	14	(s)	1	75
November	2	44	8	(s)	2	57
<b>11 Month Total</b>	<b>56</b>	<b>652</b>	<b>160</b>	<b>3</b>	<b>41</b>	<b>912</b>
<b>2011 11 Month Total</b>	<b>49</b>	<b>617</b>	<b>148</b>	<b>-</b>	<b>42</b>	<b>858</b>
<b>2010 11 Month Total</b>	<b>32</b>	<b>239</b>	<b>33</b>	<b>-</b>	<b>16</b>	<b>319</b>

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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)

