

3. -
 -
 ()
 -
 , 85% 5% 95% ; 5
 15% 15% 95% ; 85 -
 .⁴
 -
 5.
 -
 , - -
 -
 ,
 (, , ,).
 , - -
 , , ,
 ,
 ,
 ,
 (95%) (5%) , 5 30 -
 (70%) (30%). 100⁶.
 - , ,
 - ,
 ,⁷
 3 ,
 55%.
 , - ,
 , -
 , -
 , -

³ , 1, 2007.
⁴ SEC(2006) 142, , 8.02.2006, (2006) 34,
⁵ , 1, 2007.
⁶ SEC(2006) 142, , 8.02.2006, (2006) 34,
⁷ www.biodiesel.co.uk

(- ,) . , -
 - , -
 - . -
 8, 9 . -
 ; -
 . -
 - , 11% , -
 - , -
 . -
 , -
 10 . -
 - . -
 , -
 - . -
 : -
 ; -
 . -
 11 . -
 12 . 2008 .
 (. 1).

⁸ , . -
 , 1, 2007. -
⁹ , . -
 2007, 81-92. -
¹⁰ , . . . , 1, 2007.
¹¹ .
¹² , .

2007 ., 2008 . 2009 .

	2007 .	2008 .	2009 .
ktoe ¹³ ,	-	2	4

-

.

,

,
14.

368 100 / . -

, 2008 . -

-338 100 t 30 000 t 15.

16. 2001 . 300 , 3 - 4 -

, , , 17. -

15 000 t - 60 000 t; -

, , ,

, , ,

- , 18.

13 (. . .).
(, , ,) (, , ,)
,)
, , : 1 GJ=0,239 Gkal=278 kWh=0,0239 ktoe.

14 , 2009 ,

15 , 2010 .

16 , . . . , 1, 2007.

17 , ,
2007, 81-92.

18 .

1982 . , . -
 ,
 ; 1991 ; - 1991 .; - 1992
 .; - 1992 .; - 1993 . .
 , . 19.
 , -
 , 25%- 20.
 ,
 21.
 , -
 , -
 , -
 ” ” 22.
 , -
 , -
 , -
 , -
 , -
 , 23.
 , -
 ;
 ;

¹⁹ , . . . , 1, 2007.

²⁰ SEC(2006) 142, , 8.02.2006, (2006) 34, .

²¹ .

²² .

²³ .

, , -
 . , -
 , 24 .
 90- .
 , -
 . 2000 . ” ”
 (, 2003/30/ 26 .) 20% 2020 25 .
 , 2003/30/ -
 . -
 , -
 2010 27 - : 2% 2005 . 5,75%
 , -
 , 28 -
 , -
 , -
 1) . 2) :
 . 3) . 4) -
 24 , , -
 2007, 81-92.
 25 2008-2020 . 2 43
 15.11.2007 .
 26 2003/30/ -
 27 .
 28 SEC(2006) 142, , 8.02.2006, (2006) 34, .

	-	-		
. 6)		. 5)	. 7)	-
1)		:	20%	
2)	2020 .		10%	
		2020 .,		
509 001	²⁹ .	10%	2020 .	-
			448 050	-
, 10% 2020			, 107 000	2020
³⁰	66 500	2008 .		
	,	,		-
		³¹ .		
	,		() .	-
. 2%	,			-
	,			-
	,			-
	,			-
25%.				
²⁹	2008 – 2020 .	15.11.2007 .	2	43
³⁰				
³¹				
	, 2010 .	2009 .		-

63% , 1% – 30–40%³² -

³³ , -

2001/77/ -

2003/30/ , -

34 , -

35 , -

1 2008 ., -

2009 . -

1) : -

2) , -

³² 2008 – 2020 . 2 43 -

³³ 15.11.2007 . (. , .49

19.06.2007 ., . . , .102 22.12.2009 .).

³⁴ (. , .91 15.11.2005 ., . . , .94

30.11.2010 .).

³⁵ (. , .66 25.07.2003 ., . . , .93 24.11.2009 .).

BIOFUELS – ALTERNATIVE TO THE TRADITIONAL FUELS IN TRANSPORT**Chief Assist. Prof. Dr Vanya Zhivkova****Abstract**

In the article there is made a critical survey of some possibilities and issues, connected with the use of biofuels as an alternative to the traditional fuels in transport, for which there is used the descriptive-analytical method. There is clarified the nature of biofuels, the kinds of biofuels, their advantages and disadvantages. Also presented is the state and development of the production of biofuels in Bulgaria. There is traced the evolution and the localization of the production of biofuels on a global scale. There is also given a brief survey of the legal framework regulating the production and consumption of biofuels.