

RTFO report for the pre-RED implementation part of Year 4

15 April 2011 - 14 December 2011

Provisional data for the 2011/12 obligation year to date

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Provisional Data

The information contained in this report is provisional and based on unverified claims made by suppliers. It should be viewed as indicative rather than definitive. Verified data is published annually and can be found on the the DfT website, <http://www.dft.gov.uk/statistics/series/biofuels/>. Those using this document should be aware that while in the majority of cases there is little discrepancy between a company's provisional and verified data, in some instances the difference has been significant. For further information on provisional data please see the notes at the end of this report.

Executive Summary

This report covers the supply of biofuels under the Renewable Transport Fuel Obligation¹ from 15 April 2011 to 14 December 2011. The headline figures² are:

5.4 billion litres of biofuel have been supplied under the RTFO in the first 44 months.

In the first eight months of the 2011/12 obligation period, 983 million litres of biofuel have been supplied, which is approximately 3.2% of total road transport fuel reported to the RTFO Administrator against an annual obligation percentage ("specified amount") of 4.0%³. More biodiesel (56%) has been supplied than bioethanol (44%). There has also been a small volume of biogas declared to us.

The feedstock is known for 98% of fuel supplied. Both the feedstock and country of origin are known for 94%.

The largest proportion of biofuel came from the feedstock, used cooking oil (489m litres, 50% of total biofuel supplied). The most widely reported feedstock from a single country of origin for biodiesel was used cooking oil from the Netherlands (153m litres, 28% of biodiesel supplied). The most widely reported feedstock and country of bioethanol was non-European Community corn from the United States of America (336m litres, 77% of bioethanol supplied).

Over the period, 53%⁴ of biofuels met an environmental standard⁵.

The majority of feedstock has been imported; 12% of the biofuel was reported as coming from UK feedstocks.

93% of the fuel reported as coming from UK feedstocks met environmental sustainability standards.

Greenhouse gas savings of 62% were achieved. This figure may not include all emissions from direct land use change and excludes the emissions from indirect land-use changes considered in the 'Gallagher Review'.

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Notes

1. The RTFO applies to road transport across the whole of the UK. Refiners, importers and any others who supply more than 450,000 litres of relevant hydrocarbon oil for road transport annually to the UK market are obligated by it.

2. Data come from monthly reports submitted by fuel suppliers to the RTFO Administrator. The RTFO Administrator performs checks on the data, which for suppliers of over 450,000 litres of biofuel, are also subject to an annual verification process by independent auditors. The RTFO Administrator will publish a final, fully verified dataset after the end of each obligation year.

The RTFO Administrator publishes reports that identify the carbon and sustainability performance of individual companies. This is the first report on the progress in year four and reports on the period to which the pre-RED guidance applies. Archive reports are available on our website at: <http://dft.gov.uk/pgr/sustainable/biofuels/data/>

3. Obligated suppliers can meet their volume obligation by surrendering the appropriate number of RTFCs to the RTFO Administrator and/or by paying into a buy-out fund. The RTFCs can be obtained by supplying their own biofuels or by purchasing RTFCs from other biofuel suppliers. A quarter of their obligation can be met by surplus RTFCs from the previous obligation year.

4. Under the RTFO Order, these reports must not contain information from which the volumes of fuel being reported by individual suppliers might be derived. To protect the volumes of individual suppliers in some reports, certain quantities of fuel reported as meeting the Qualifying Standard or RTFO Meta-Standard have been removed from the overall RTFO figures. In this report, all fuel meeting the Qualifying Standard or Meta-Standard has been included in the overall RTFO figures, but some has still been excluded from the reporting by feedstock and country. The figures by country and feedstock do not therefore tally exactly with the overall figures.

5. The ability of suppliers to source certifiably sustainable fuels is currently limited by the lack of operational sustainability standards for several feedstock/country combinations. Certified sustainable feedstock is expected to become increasingly available over time, as feedstock standards develop in response to the demand created by the RTFO and growing concern about the sustainability of agricultural commodities more widely. Suppliers can arrange their own audits against the RTFO Meta-Standard. There is more than enough RSPO certified palm oil to meet the entire UK demand for palm oil biodiesel feedstock.

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Table 1: Carbon and sustainability performance of the RTFO.

	2011/12 Obligation period		2010/11 Obligation period		2009/10 Obligation period		2008/09 Obligation period	
	Actual	Target	Actual	Target	Actual	Target	Actual	Target
Percentage of feedstock meeting a Qualifying Environmental Standard	53%	80%	53%	50%	50%	31%	30%	20%
Annual GHG saving of fuel supplied	62%	50%	57%	45%	45%	51%	40%	46%
Data reporting of renewable fuel characteristics	85%	90%	84%	70%	70%	72%	50%	64%

Table 2: Volume of biofuels supplied for road transport under the RTFO.

Fuel type	Biofuel type	Volume (millions l) or mass (millions kg) *	Fossil fuel type	Volume, million l **	Biofuels as a proportion of total road transport fuels supplied
	Biodiesel	548.1	Diesel	16,982	3.13%
	Bioethanol	434.6	Petrol	12,726	3.30%
	Biogas	0.4			
	Total	983.1		29,708	3.20%

* Biodiesel and bioethanol volumes are reported in litres and biogas volumes are reported in kilograms. Volumes relate to fuel for which RTFCs have been issued and may differ from HMRC totals.

** Fossil fuel volumes given are *obligated volumes* and may differ from HMRC totals.

Table 3: Carbon and sustainability data of biofuels by fuel type.

Fuel type	Biofuel type	Volume, litres	Volume, million litres	Volume, %	Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving, %	Accuracy level, (0-7)
					RTFO		Other standards		RTFO		Other standards				
					OS	None/unknown	OS	None/unknown	OS	None/unknown	OS	None/unknown			
	Biodiesel	548,122,590	548.1	56%	0%	92%	0%	8%	0%	91%	1%	8%	19	78%	1.8
	Bioethanol	434,591,362	434.6	44%	0%	4%	4%	92%	0%	2%	7%	92%	48	43%	5.2
	Biogas	392,917	0.4	0%	0%	100%	0%	0%	0%	100%	0%	0%	27	68%	6.5
	Total	983,106,869	983.1	100%	0%	53%	2%	45%	0%	51%	4%	45%	32	62%	3.3

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Table 4: Carbon and sustainability data of biodiesel from different feedstocks, countries, and according to the previous land-use.

		Volume, litres	Volume, million litres	Volume, %	Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving %	Accuracy level, (0-7)
					RTFO	OS	Other standards	None/ unknown	RTFO	OS	Other standards	None/ unknown			
Feedstock	Oilseed rape	21,847,828	21.8	4%	0%	32%	1%	67%	0%	0%	33%	67%	52	38%	1.4
	Palm	4,888,447	4.9	1%	0%	71%	0%	29%	0%	71%	0%	29%	64	24%	1.0
	Soy	16,374,963	16.4	3%	0%	0%	0%	100%	0%	0%	0%	100%	58	31%	1.0
	Tallow - category 1	14,027	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0
	Tallow - category 3 or unknown	4,419,572	4.4	1%	0%	100%	0%	0%	0%	100%	0%	0%	18	79%	1.7
	Tallow - except category 3	90,192	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0
	Used cooking oil	489,482,569	489.5	89%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.9
	Unknown	11,004,992	11.0	2%	0%	0%	0%	100%	0%	0%	0%	100%	93	-11%	0.0
	Total	548,122,590	548.1	100%	0%	92%	0%	8%	0%	91%	1%	8%	19	78%	1.8
	Mean														
Country of origin	Argentina	14,432,399	14.4	3%	0%	0%	0%	100%	0%	0%	0%	100%	58	31%	1.0
	Australia	1,906,370	1.9	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.0
	Austria	2,621,151	2.6	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.4
	Belgium	10,373,031	10.4	2%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.3
	Brazil	817,741	0.8	0%	0%	0%	0%	100%	0%	0%	0%	100%	58	31%	1.0
	Canada	22,112,797	22.1	4%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0
	Chile	1,163,788	1.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	5.0
	Croatia	98,607	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	2.0
	Czech Republic	103,588	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.9
	Denmark	1,642,041	1.6	0%	0%	87%	0%	13%	0%	87%	0%	13%	24	71%	2.3
	Finland	2,365,444	2.4	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	84%	1.9
	France	6,795,589	6.8	1%	0%	41%	2%	57%	0%	41%	2%	57%	36	57%	1.2
	Germany	61,455,471	61.5	11%	0%	94%	0%	6%	0%	94%	0%	6%	16	81%	1.3
	Indonesia	1,425,998	1.4	0%	0%	1%	0%	99%	0%	1%	0%	99%	68	19%	1.0
	Ireland, Republic of	3,120,150	3.1	1%	0%	97%	0%	3%	0%	97%	0%	3%	14	83%	1.6
	Italy	4,070,899	4.1	1%	0%	100%	0%	0%	0%	100%	0%	0%	15	82%	1.5
	Luxembourg	144,305	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.2
	Malaysia	3,602,616	3.6	1%	0%	100%	0%	0%	0%	100%	0%	0%	60	28%	1.0
	Netherlands	153,330,408	153.3	28%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.2
	Poland	4,843,050	4.8	1%	0%	33%	0%	67%	0%	33%	0%	67%	40	53%	1.0
	Portugal	171,301	0.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	2.0
	Saudi Arabia	46,141	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	5.0
	Slovakia	667,420	0.7	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.5
	South Africa	128,054	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	5.0
	Spain	20,752,113	20.8	4%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.8
	Sweden	114,000	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	5.0
	Switzerland	166,264	0.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0
	Ukraine	1,262,546	1.3	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.7
	United Arab Emirates	65,458	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	5.0
	United Kingdom	100,872,647	100.9	18%	0%	99%	0%	1%	0%	92%	7%	1%	17	80%	3.1
United States	89,101,230	89.1	16%	0%	99%	0%	1%	0%	99%	0%	1%	14	83%	2.8	
Unknown	38,349,973	38.3	7%	0%	72%	0%	28%	0%	72%	0%	28%	36	57%	0.7	
Total	548,122,590	548.1	100%	0%	92%	0%	8%	0%	91%	1%	8%	19	78%	1.8	
Mean															
Previous land-use	By-product	494,994,863	495.0	90%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.9
	Cropland - non-protected	864,600	0.9	0%	0%	7%	0%	93%	0%	1%	6%	93%	51	39%	1.1
	Cropland - protection status unknown	24,329,963	24.3	4%	0%	14%	0%	86%	0%	14%	0%	86%	57	32%	1.1
	Unknown	27,933,164	27.9	5%	0%	25%	0%	75%	0%	0%	25%	75%	69	18%	0.9
	Total	548,122,590	548.1	100%	0%	92%	0%	8%	0%	91%	1%	8%	19	78%	1.8
Mean															

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Table 5: Carbon and sustainability data of bioethanol from different feedstocks, countries, and according to the previous land-use.

		Volume, litres	Volume, million litres	Volume, %	Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving %	Accuracy level, (0-7)
					RTFO	QS	Other standards	None/ unknown	RTFO	QS	Other standards	None/ unknown			
Feedstock	Barley	2,952,217	3.0	1%	0%	0%	0%	100%	0%	0%	0%	100%	73	13%	1.3
	Corn EC	34,974,662	35.0	8%	0%	0%	0%	100%	0%	0%	0%	100%	42	50%	3.9
	Corn Non EC	335,813,196	335.8	77%	0%	2%	5%	93%	0%	2%	5%	93%	46	45%	5.7
	Molasses	7,543	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	61	27%	1.0
	Sugar beet	6,988,280	7.0	2%	0%	100%	0%	0%	0%	0%	100%	0%	31	62%	2.6
	Sugar cane	921,486	0.9	0%	-*	-*	-*	-*	-*	-*	-*	-*	24	71%	1.0
	Sweet sorghum	18,354,318	18.4	4%	0%	0%	0%	100%	0%	0%	0%	100%	50	40%	6.1
	Wheat	21,071,642	21.1	5%	0%	18%	1%	80%	0%	0%	20%	80%	43	49%	3.2
	Unknown	13,508,018	13.5	3%	0%	0%	0%	100%	0%	0%	0%	100%	115	-37%	0.0
	Total Mean	434,591,362	434.6	100%	0%	4%	4%	92%	0%	2%	7%	92%	48	43%	5.2
	Country of origin	Brazil	921,486	0.9	0%	-*	-*	-*	-*	-*	-*	-*	-*	24	71%
France		16,721,894	16.7	4%	0%	0%	0%	100%	0%	0%	0%	100%	49	42%	3.2
Hungary		880,410	0.9	0%	0%	0%	0%	100%	0%	0%	0%	100%	39	53%	4.7
Netherlands		6,925,688	6.9	2%	0%	0%	0%	100%	0%	0%	0%	100%	49	41%	4.0
Romania		185,173	0.2	0%	0%	0%	0%	100%	0%	0%	0%	100%	55	35%	1.9
Serbia		48,704	0.0	0%	0%	0%	0%	100%	0%	0%	0%	100%	54	35%	1.9
Spain		17,278,885	17.3	4%	0%	0%	0%	100%	0%	0%	0%	100%	37	55%	4.3
Sudan		7,543	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	61	27%	1.0
Sweden		2,382,670	2.4	1%	0%	0%	0%	100%	0%	0%	0%	100%	30	64%	5.0
United Kingdom		18,575,670	18.6	4%	0%	59%	2%	40%	0%	0%	60%	40%	36	58%	2.7
United States		354,167,514	354.2	81%	0%	2%	5%	93%	0%	2%	5%	93%	46	45%	5.8
Unknown	16,495,725	16.5	4%	0%	0%	0%	100%	0%	0%	0%	100%	108	-29%	0.2	
Total Mean	434,591,362	434.6	100%	0%	4%	4%	92%	0%	2%	7%	92%	48	43%	5.2	
Previous land-use	By-product	7,543	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	61	27%	1.0
	Cropland - non-protected	272,303,679	272.3	63%	0%	3%	2%	95%	0%	0%	5%	95%	43	48%	6.5
	Cropland - protected	1,516	0.0	0%	0%	0%	0%	100%	0%	0%	0%	100%	39	53%	5.0
	Cropland - protected / protection status unknown	297,218	0.3	0%	0%	0%	100%	0%	0%	0%	100%	0%	44	47%	2.0
	Cropland - protection status unknown	117,863,832	117.9	27%	0%	7%	10%	83%	0%	4%	13%	83%	49	41%	3.6
	Unknown	44,117,574	44.1	10%	0%	5%	0%	95%	0%	5%	0%	95%	72	14%	1.7
Total Mean	434,591,362	434.6	100%	0%	4%	4%	92%	0%	2%	7%	92%	48	43%	5.2	

* Under the RTFO Order, these reports must not contain information from which the volumes of fuel being reported by individual suppliers might be derived. To protect the volumes of individual suppliers, certain quantities of fuel reported as meeting the Qualifying Standard or RTFO Meta-Standard have been removed from the RTFO figures. In this report, all fuel meeting the Qualifying Standard or Meta-Standard has been included in the overall RTFO figures, but some has still been excluded from the reporting by feedstock and country. The figures by country and feedstock do not therefore tally exactly with the overall figures.

Table 6: Carbon and sustainability data of biogas by feedstock, country of origin and previous land-use.

		Volume, litres	Volume, million litres	Volume, %	Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving %	Accuracy level, (0-7)
					RTFO	QS	Other standards	None/ unknown	RTFO	QS	Other standards	None/ unknown			
Feedstock	MSW	392,917	0.4	100%	0%	100%	0%	0%	0%	100%	0%	0%	27	68%	6.5
Country of origin	United Kingdom	392,917	0.4	100%	0%	100%	0%	0%	0%	100%	0%	0%	27	68%	6.5
Previous land-use	By-product	392,917	0.4	100%	0%	100%	0%	0%	0%	100%	0%	0%	27	68%	6.5

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Table 7: Carbon and sustainability data of total biofuel from different feedstocks, countries and according to the previous land-use.

		Volume, litres	Volume, million litres	Volume, %	Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving, %	Accuracy level, (0-7)	
					RTFO	QS	Other standards	None/ unknown	RTFO	QS	Other standards	None/ unknown				
Feedstock	Barley	2,952,217	3.0	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	73	13%	1.3
	Corn EC	34,974,662	35.0	4%	0%	0%	0%	100%	0%	0%	0%	0%	100%	42	50%	3.9
	Corn Non EC	335,813,196	335.8	34%	0%	2%	5%	93%	0%	2%	5%	93%	46	45%	5.7	
	Molasses	7,543	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	61	27%	1.0	
	Municipal organic waste	392,917	0.4	0%	0%	100%	0%	0%	0%	100%	0%	0%	27	68%	6.5	
	Oilseed rape	21,847,828	21.8	2%	0%	32%	1%	67%	0%	0%	33%	67%	52	38%	1.4	
	Palm	4,888,447	4.9	0%	0%	71%	0%	29%	0%	71%	0%	29%	64	24%	1.0	
	Soy	16,374,963	16.4	2%	0%	0%	0%	100%	0%	0%	0%	100%	58	31%	1.0	
	Sugar beet	6,988,280	7.0	1%	0%	100%	0%	0%	0%	0%	100%	0%	31	62%	2.6	
	Sugar cane	921,486	0.9	0%	-*	-*	-*	-*	-*	-*	-*	-*	24	71%	1.0	
	Sweet sorghum	18,354,318	18.4	2%	0%	0%	0%	100%	0%	0%	0%	100%	50	40%	6.1	
	Tallow - category 1	14,027	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0	
	Tallow - category 3 or unknown	4,419,572	4.4	0%	0%	100%	0%	0%	0%	100%	0%	0%	18	79%	1.7	
	Tallow - except category 3	90,192	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0	
	Used cooking oil	489,482,569	489.5	50%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.9	
	Wheat	21,071,642	21.1	2%	0%	18%	1%	80%	0%	0%	20%	80%	43	49%	3.2	
	Unknown	24,513,010	24.5	2%	0%	0%	0%	100%	0%	0%	0%	100%	105	-25%	0.0	
Total		983,106,869	983.1	100%	0%	53%	2%	45%	0%	51%	4%	45%	32	62%	3.3	
Mean																
Country of origin	Argentina	14,432,399	14.4	1%	0%	0%	0%	100%	0%	0%	0%	100%	58	31%	1.0	
	Australia	1,906,370	1.9	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.0	
	Austria	2,621,151	2.6	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.4	
	Belgium	10,373,031	10.4	1%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.3	
	Brazil	1,739,227	1.7	0%	-*	-*	-*	-*	-*	-*	-*	-*	40	52%	1.0	
	Canada	22,112,797	22.1	2%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0	
	Chile	1,163,788	1.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	5.0	
	Croatia	98,607	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	2.0	
	Czech Republic	103,588	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.9	
	Denmark	1,642,041	1.6	0%	0%	87%	0%	13%	0%	87%	0%	13%	24	71%	2.3	
	Finland	2,365,444	2.4	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	84%	1.9	
	France	23,517,483	23.5	2%	0%	12%	0%	88%	0%	12%	0%	88%	45	46%	2.7	
	Germany	61,455,471	61.5	6%	0%	94%	0%	6%	0%	94%	0%	6%	16	81%	1.3	
	Hungary	880,410	0.9	0%	0%	0%	0%	100%	0%	0%	0%	100%	39	53%	4.7	
	Indonesia	1,425,998	1.4	0%	0%	1%	0%	99%	0%	1%	0%	99%	68	19%	1.0	
	Ireland, Republic of	3,120,150	3.1	0%	0%	97%	0%	3%	0%	97%	0%	3%	14	83%	1.6	
	Italy	4,070,899	4.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	15	82%	1.5	
	Luxembourg	144,305	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.2	
	Malaysia	3,602,616	3.6	0%	0%	100%	0%	0%	0%	100%	0%	0%	60	28%	1.0	
	Netherlands	160,256,096	160.3	16%	0%	95%	0%	5%	0%	95%	0%	5%	16	81%	1.4	
	Poland	4,843,050	4.8	0%	0%	33%	0%	67%	0%	33%	0%	67%	40	53%	1.0	
	Portugal	171,301	0.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	2.0	
	Romania	185,173	0.2	0%	0%	0%	0%	100%	0%	0%	0%	100%	55	35%	1.9	
	Saudi Arabia	46,141	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	5.0	
	Serbia	48,704	0.0	0%	0%	0%	0%	100%	0%	0%	0%	100%	54	35%	1.9	
	Slovakia	667,420	0.7	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.5	
	South Africa	128,054	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	5.0	
	Spain	38,030,998	38.0	4%	0%	55%	0%	45%	0%	55%	0%	45%	25	71%	2.9	
	Sudan	7,543	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	61	27%	1.0	
	Sweden	2,496,670	2.5	0%	0%	5%	0%	95%	0%	5%	0%	95%	29	65%	5.0	
	Switzerland	166,264	0.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0	
	Ukraine	1,262,546	1.3	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.7	
United Arab Emirates	65,458	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	5.0		
United Kingdom	119,841,234	119.8	12%	0%	93%	0%	7%	0%	78%	15%	7%	20	77%	3.0		
United States	443,268,744	443.3	45%	0%	21%	4%	75%	0%	21%	4%	75%	40	52%	5.2		
Unknown	54,845,698	54.8	6%	0%	50%	0%	50%	0%	50%	0%	50%	58	31%	0.6		
Total		983,106,869	983.1	100%	0%	53%	2%	45%	0%	51%	4%	45%	32	62%	3.3	
Mean																
Previous land-use	By-product	495,395,323	495.4	50%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.9	
	Cropland - non-protected	273,168,279	273.2	28%	0%	3%	2%	95%	0%	0%	5%	95%	43	48%	6.4	
	Cropland - protected	1,516	0.0	0%	0%	0%	0%	100%	0%	0%	0%	100%	39	53%	5.0	
	Cropland - protected / protection status unknown	297,218	0.3	0%	0%	0%	100%	0%	0%	0%	100%	0%	44	47%	2.0	
	Cropland - protection status unknown	142,193,795	142.2	14%	0%	9%	8%	83%	0%	6%	11%	83%	51	40%	3.2	
	Unknown	72,050,738	72.1	7%	0%	12%	0%	87%	0%	3%	10%	87%	71	15%	1.4	
Total		983,106,869	983.1	100%	0%	53%	2%	45%	0%	51%	4%	45%	32	62%	3.3	
Mean																

* Under the RTFO Order, these reports must not contain information from which the volumes of fuel being reported by individual suppliers might be derived. To protect the volumes of individual suppliers certain quantities of fuel reported as meeting the Qualifying Standard or RTFO Meta-Standard have been removed from the RTFO figures. In this report, all fuel meeting the Qualifying Standard or Meta-Standard has been included in the overall RTFO figures, but some has still been excluded from the reporting by feedstock and country. The figures by country and feedstock do not therefore tally exactly with the overall figures.

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Table 8: Carbon and sustainability data of biofuel from UK feedstocks, by feedstocks and according to the previous land-use.

		Volume, litres	Volume, million litres	Volume, %	Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving, %	Accuracy level, (0-7)	
					RTFO	OS	Other standards	None/ unknown	RTFO	OS	Other standards	None/ unknown				
Feedstock	Corn EC	376	0.0	0%	0%	0%	0%	100%	0%	0%	0%	100%	54	35%	1.9	
	Municipal organic waste	392,917	0.4	0%	0%	100%	0%	0%	0%	100%	0%	0%	27	68%	6.5	
	Oilseed rape	7,642,459	7.6	6%	0%	92%	0%	8%	0%	0%	92%	8%	52	38%	1.9	
	Sugar beet	6,988,280	7.0	6%	0%	100%	0%	0%	0%	0%	100%	0%	31	62%	2.6	
	Tallow - category 1	14,027	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0	
	Tallow - category 3 or unknown	4,006,334	4.0	3%	0%	100%	0%	0%	0%	100%	0%	0%	18	79%	1.8	
	Tallow - except category 3	90,192	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	1.0	
	Used cooking oil	89,119,635	89.1	74%	0%	100%	0%	0%	0%	100%	0%	0%	13	84%	3.2	
	Wheat	11,587,014	11.6	10%	0%	34%	0%	3%	64%	0%	0%	36%	64%	38	55%	2.7
	Total	119,841,234	119.8	100%	0%	93%	0%	7%	0%	78%	15%	7%	20	77%	3.0	
	Mean															
Previous land-use	By-product	93,623,105	93.6	78%	0%	100%	0%	0%	0%	100%	0%	0%	14	84%	3.2	
	Cropland - non-protected	7,047,899	7.0	6%	0%	100%	0%	0%	0%	0%	100%	0%	31	62%	2.6	
	Cropland - protected / protection status unknown	297,218	0.3	0%	0%	0%	100%	0%	0%	0%	100%	0%	44	47%	2.0	
	Cropland - protection status unknown	10,362,544	10.4	9%	0%	38%	0%	62%	0%	0%	38%	62%	37	56%	2.8	
	Unknown	8,510,468	8.5	7%	0%	81%	0%	19%	0%	0%	81%	19%	51	39%	1.9	
	Total	119,841,234	119.8	100%	0%	93%	0%	7%	0%	78%	15%	7%	20	77%	3.0	
Mean																

N.B. This includes biofuels from UK feedstocks which have been sold into the UK road fuel market. UK biofuel feedstocks sold abroad are not included

Table 9: Data capture

	Biofuel type	Data capture: feedstock known	Data capture: country known	Data capture: land use known	Data capture: standard	Data capture: AVERAGE
Fuel type	Biodiesel	98%	93%	95%	92%	94%
	Bioethanol	97%	96%	90%	8%	73%
	Biogas	100%	100%	100%	100%	100%
	Total biofuel	98%	94%	93%	55%	85%

Table 10: Accuracy Level

	Biofuel type	Level 0 - Fuel default	Level 1 - Feedstock default	Level 2 - Process default	Level 3 - Actual data for transport, drying and	Level 4 - Actual data for process module	Level 5 - NUTS2 or other regional cultivation	Level 6 - Actual 'collected' cultivation	Level 7 - Actual data provided for the entire fuel	ACCURACY LEVEL: AVERAGE
Fuel type	Biodiesel	2%	63%	18%	1%	0%	16%	0%	0%	1.8
	Bioethanol	3%	5%	9%	7%	10%	10%	5%	51%	5.2
	Biogas	0%	0%	0%	0%	0%	27%	0%	73%	6.5
	Total Biofuel	2%	37%	14%	3%	4%	13%	2%	23%	3.3

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Verified data for the obligat on years 2008/09, 2009/10 and 2010/11 and provis onal data for obligation year 2011/12

Table 11: Trends

	Month	Volume, litres or kg	Volume	Proportion meeting an environmental standard				Greenhouse gas saving			Data capture							
				RTFO	OS	Env. Std. Target	± Target	Saving	Target	± Target	Feedstock	Country of origin	Previous land use	Standard	Average data capture	Target	± Target	
Year 1	1	86,983,639	87.0 m l	5%	14%	30%	-11%	43%	40%	3%	97%	69%	51%	23%	60%	50%	10%	
	2	122,708,284	122.7 m l	3%	19%	30%	-8%	48%	40%	8%	97%	80%	55%	27%	65%	50%	15%	
	3	110,562,859	110.6 m l	4%	19%	30%	-8%	47%	40%	7%	98%	82%	55%	29%	66%	50%	16%	
	4	112,609,421	112.6 m l	4%	20%	30%	-7%	47%	40%	7%	98%	80%	55%	36%	67%	50%	17%	
	5	117,492,397	117.5 m l	4%	11%	30%	-15%	46%	40%	6%	100%	85%	60%	27%	68%	50%	18%	
	6	116,848,541	116.8 m l	6%	18%	30%	-7%	48%	40%	8%	100%	85%	51%	31%	67%	50%	17%	
	7	117,891,585	117.9 m l	13%	5%	30%	-12%	43%	40%	3%	100%	81%	60%	30%	68%	50%	18%	
	8	112,111,217	112.1 m l	11%	9%	30%	-10%	45%	40%	5%	99%	80%	56%	28%	66%	50%	16%	
	9	94,166,410	94.2 m l	8%	10%	30%	-12%	47%	40%	7%	100%	82%	62%	35%	70%	50%	20%	
	10	96,400,546	96.4 m l	13%	8%	30%	-9%	45%	40%	5%	100%	82%	62%	30%	69%	50%	19%	
	11	88,545,305	88.5 m l	17%	15%	30%	3%	52%	40%	12%	100%	82%	67%	40%	72%	50%	22%	
	12	107,232,464	107.2 m l	9%	14%	30%	-6%	53%	40%	13%	99%	85%	63%	29%	69%	50%	19%	
Year 2	13	103,367,499	103.4 m l	10%	20%	50%	-21%	47%	45%	2%	96%	85%	77%	39%	74%	70%	4%	
	14	104,848,340	104.8 m l	14%	23%	50%	-13%	51%	45%	6%	92%	78%	68%	39%	69%	70%	-1%	
	15	122,102,634	122.1 m l	16%	21%	50%	-14%	52%	45%	7%	96%	87%	77%	44%	76%	70%	6%	
	16	119,988,509	120.0 m l	15%	21%	50%	-13%	53%	45%	8%	96%	86%	77%	43%	75%	70%	5%	
	17	128,484,399	128.5 m l	14%	18%	50%	-18%	50%	45%	5%	94%	85%	66%	37%	70%	70%	0%	
	18	131,647,133	131.6 m l	17%	21%	50%	-12%	51%	45%	6%	96%	85%	66%	42%	72%	70%	2%	
	19	127,393,716	127.4 m l	17%	16%	50%	-16%	52%	45%	7%	97%	82%	66%	35%	70%	70%	0%	
	20	137,456,413	137.5 m l	18%	15%	50%	-17%	52%	45%	7%	99%	86%	72%	40%	74%	70%	4%	
	21	127,794,601	127.8 m l	13%	10%	50%	-27%	48%	45%	3%	92%	83%	62%	28%	66%	70%	-4%	
	22	145,582,184	145.6 m l	12%	15%	50%	-23%	51%	45%	6%	98%	93%	72%	33%	74%	70%	4%	
	23	142,822,810	142.8 m l	16%	13%	50%	-21%	50%	45%	5%	95%	92%	75%	33%	74%	70%	4%	
	24	177,000,412	177.0 m l	10%	16%	50%	-24%	50%	45%	5%	94%	91%	72%	31%	72%	70%	2%	
Year 3	25	140,904,353	140.9 m l	12%	26%	80%	-41%	49%	50%	-1%	97%	95%	79%	47%	80%	90%	-10%	
	26	150,914,009	150.9 m l	4%	30%	80%	-46%	46%	50%	-4%	96%	96%	79%	36%	77%	90%	-13%	
	27	134,736,373	134.7 m l	9%	33%	80%	-39%	52%	50%	2%	97%	96%	84%	45%	81%	90%	-9%	
	28	148,737,809	148.7 m l	13%	36%	80%	-31%	52%	50%	2%	95%	94%	74%	50%	78%	90%	-12%	
	29	146,916,214	146.9 m l	3%	40%	80%	-38%	50%	50%	0%	92%	91%	86%	42%	78%	90%	-12%	
	30	155,878,676	155.9 m l	9%	52%	80%	-19%	60%	50%	10%	99%	99%	95%	61%	89%	90%	-1%	
	31	122,109,116	122.1 m l	10%	56%	80%	-14%	62%	50%	12%	100%	100%	95%	70%	91%	90%	3%	
	32	104,243,428	104.2 m l	14%	58%	80%	-7%	67%	50%	17%	100%	100%	98%	75%	93%	90%	3%	
	33	101,773,716	101.8 m l	3%	59%	80%	-18%	65%	50%	15%	100%	100%	98%	64%	90%	90%	0%	
	34	99,424,956	99.4 m l	1%	57%	80%	-22%	63%	50%	13%	100%	100%	92%	58%	87%	90%	-3%	
	35	98,480,596	98.5 m l	2%	54%	80%	-24%	67%	50%	17%	100%	100%	91%	57%	87%	90%	-3%	
	36	113,337,316	113.3 m l	1%	63%	80%	-16%	69%	50%	19%	100%	100%	94%	65%	90%	90%	0%	
Year 4	37	110,534,131	110.5 m l	1%	53%	n/a	n/a	67%	n/a	n/a	100%	100%	99%	54%	88%	n/a	n/a	
	38	98,783,892	98.8 m l	0%	46%	n/a	n/a	64%	n/a	n/a	100%	100%	98%	46%	86%	n/a	n/a	
	39	121,337,010	121.3 m l	0%	52%	n/a	n/a	61%	n/a	n/a	97%	95%	94%	52%	84%	n/a	n/a	
	40	136,512,243	136.5 m l	0%	58%	n/a	n/a	64%	n/a	n/a	99%	94%	94%	59%	86%	n/a	n/a	
	41	149,710,191	149.7 m l	0%	57%	n/a	n/a	64%	n/a	n/a	99%	95%	94%	57%	86%	n/a	n/a	
	42	142,144,456	142.1 m l	0%	55%	n/a	n/a	63%	n/a	n/a	99%	94%	90%	58%	85%	n/a	n/a	
	43	136,161,635	136.2 m l	0%	55%	n/a	n/a	60%	n/a	n/a	92%	88%	87%	60%	82%	n/a	n/a	
	44	87,923,311	87.9 m l	0%	43%	n/a	n/a	53%	n/a	n/a	94%	89%	87%	49%	80%	n/a	n/a	
	45																	
	46																	
47																		
48																		

* The previous administration set targets for individual suppliers on the three criteria reported on here. These targets ended in April 2011. For consistency we have reported on performance against the same metrics for the period up to the implementation of the mandatory sustainability criteria, contained in the Renewable Energy Directive, i.e. for fuel supplied between 15/04/2011 and 14/12/2011.

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Table 12: Carbon and sustainability data for biofuels by fuel type, feedstock, country of origin, and previous land-use.

Biofuel type	Feedstock	Country of origin	Previous land-use	Volume, l or kg	Volume, million l or million kg	Volume, %	Proportion meeting an environmental standard			Proportion meeting a social standard			Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving, %	Accuracy level, (0-7)		
							RTFO	Qualifying Standards	Other standards	RTFO	Qualifying Standards	Other standards				None/unknown	
Biodiesel	Oilseed rape	Australia	Unknown	1 906 370	1.9 m l	0%	0%	0%	0%	100%	0%	0%	100%	52	38%	1.0	
		France	Cropland - protection status unknown	1,002,721	1.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.0
		Unknown	Unknown	2 973 534	3.0 m l	0%	0%	0%	4%	96%	0%	0%	4%	96%	52	38%	1.0
		Germany	Cropland - protection status unknown	3,316,512	3.3 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.0
		Unknown	Unknown	74,719	0.1 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.0
		Cropland - non-protected	102 322	0.1 m l	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	52	38%	1.0
		Netherlands	Cropland - protection status unknown	34,080	0.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.0
		Cropland - non-protected	281,699	0.3 m l	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	52	38%	1.0
		Poland	Cropland - protection status unknown	2 375 122	2.4 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.0
		Unknown	Unknown	875,744	0.9 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	1.0
		Ukraine	Cropland - protection status unknown	850,139	0.9 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	52	38%	2.0
		Cropland - non-protected	412 407	0.4 m l	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	52	38%	1.0
		United Kingdom	Cropland - protection status unknown	55,260	0.1 m l	0%	0%	0%	100%	0%	0%	0%	100%	0%	36	57%	1.0
		Unknown	Unknown	7 527 580	7.5 m l	1%	0%	0%	92%	0%	0%	0%	8%	92%	52	38%	1.9
	Cropland - non-protected	59,449	0.1 m l	0%	0%	0%	0%	87%	0%	0%	0%	13%	87%	38	55%	1.9	
	Palm	Indonesia	Cropland - protection status unknown	1,417,445	1.4 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	68	19%	1.0
	Cropland - non-protected	8 553	0.0 m l	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	68	19%	1.0	
	Malaysia	Cropland - protection status unknown	3,462,449	3.5 m l	0%	0%	0%	100%	0%	0%	100%	0%	0%	62	26%	1.0	
	Soy	Argentina	Cropland - protection status unknown	10,862,174	10.9 m l	1%	0%	0%	0%	100%	0%	0%	0%	100%	58	31%	1.0
	Unknown	Unknown	3 570 225	3.6 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	58	31%	1.0	
	Brazil	Cropland - protection status unknown	817,741	0.8 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	58	31%	1.0	
	United States	By-product	988,503	1.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	58	31%	1.0	
	Cropland - protection status unknown	136 320	0.1 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	58	31%	1.0	
	Used cooking oil	Austria	By-product	2,300,723	2.3 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.5	
		Belgium	By-product	10 373 031	10.4 m l	1%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.3	
		Canada	By-product	22 112 797	22.1 m l	2%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	
		Chile	By-product	1,163,788	1.2 m l	0%	0%	100%	0%	0%	100%	0%	0%	13	84%	5.0	
Czech Republic		By-product	103 588	0.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.9		
Denmark		By-product	1,421,433	1.4 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	84%	2.7		
Finland		By-product	2,363,026	2.4 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	84%	1.9		
France		By-product	2 819 334	2.8 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.5		
Germany		By-product	57,961,918	58.0 m l	6%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.3		
Ireland, Republic of		By-product	3,120,150	3.1 m l	0%	0%	97%	0%	3%	97%	0%	3%	14	83%	1.6		
Italy		By-product	4 070 899	4.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	15	83%	1.5		
Luxembourg		By-product	144,305	0.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.2		
Malaysia		By-product	140,167	0.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0		
Netherlands		By-product	152 924 237	152.9 m l	16%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.2		
Poland		By-product	1 592,184	1.6 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.1		
Portugal		By-product	171 301	0.2 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	2.0		
Spain		By-product	20,752,113	20.8 m l	2%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.8		
Sweden		By-product	114,000	0.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	13	84%	5.0		
Switzerland		By-product	166 264	0.2 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0		
United Kingdom		By-product	89,119,635	89.1 m l	9%	0%	100%	0%	0%	100%	0%	0%	13	84%	3.2		
United States		By-product	87,976,407	88.0 m l	9%	0%	100%	0%	0%	100%	0%	0%	14	84%	2.9		
Unknown		By-product	27 565 589	27.6 m l	3%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0		
South Africa		By-product	128,054	0.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	13	84%	5.0		
Slovakia		By-product	667,420	0.7 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.5		
Saudi Arabia		By-product	46 141	0.0 m l	0%	0%	100%	0%	0%	100%	0%	0%	13	84%	5.0		
United Arab Emirates		By-product	65,458	0.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	13	84%	5.0		
Croatia		By-product	98 607	0.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	2.0		
Unknown		Unknown	220 608	0.2 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	93	-11%	0.0	
Unknown		Unknown	10,784,384	10.8 m l	1%	0%	0%	0%	100%	0%	0%	0%	100%	93	-11%	0.0	
Tallow - category 3 or unknown		Austria	By-product	320 428	0.3 m l	0%	0%	100%	0%	0%	100%	0%	0%	18	79%	1.0	
		Finland	By-product	2,418	0.0 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	
		Netherlands	By-product	90,392	0.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	18	79%	1.2	
		United Kingdom	By-product	4 006 334	4.0 m l	0%	0%	100%	0%	0%	100%	0%	0%	18	79%	1.8	
Tallow - except category 3	United Kingdom	By-product	90,192	0.1 m l	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0		
	Tallow - category 1	United Kingdom	By-product	14,027	0.0 m l	0%	0%	100%	0%	0%	0%	0%	14	83%	1.0		

Bioethanol	Barley	Sweden	Cropland - protection status unknown	239 991	0.2 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	30	64%	5.0	
		Unknown	Cropland - protection status unknown	2 712 226	2.7 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	77	8%	1.0	
	Corn EC	France	Cropland - protection status unknown	15,047,933	15.0 m l	2%	0%	0%	0%	100%	0%	0%	0%	100%	47	44%	3.4	
		Hungary	Cropland - protection status unknown	880 164	0.9 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	39	53%	4.7	
		Netherlands	Cropland - protection status unknown	1,533,552	1.5 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	46	45%	4.0	
		Romania	Cropland - protection status unknown	185,141	0.2 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	55	35%	1.9	
		Serbia	Cropland - protection status unknown	48 611	0.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	54	35%	2.0	
		Spain	Cropland - protection status unknown	17,278,885	17.3 m l	2%	0%	0%	0%	100%	0%	0%	0%	100%	37	55%	4.3	
		United Kingdom	Cropland - protection status unknown	376	0.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	54	35%	1.9	
	Corn Non EC	United States	Cropland - protection status unknown	60 145 417	60.1 m l	6%	0%	8%	20%	72%	0%	8%	20%	72%	54	35%	3.7	
			Unknown	29,626,668	29.6 m l	3%	0%	7%	0%	93%	0%	7%	0%	93%	53	36%	2.5	
			Cropland - non-protected	246,039,595	246.0 m l	25%	0%	0%	2%	98%	0%	0%	2%	98%	43	48%	6.6	
			Cropland - protected	1 516	0.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	39	53%	5.0	
	Molasses	Sudan	By-product	7,543	0.0 m l	0%	0%	0%	0%	100%	0%	0%	100%	61	27%	1.0		
	Sugar beet	United Kingdom	Cropland - non-protected	6 988 280	7.0 m l	1%	0%	0%	100%	0%	0%	100%	0%	31	62%	2.6		
	Sugar cane	Brazil	Cropland - non-protected	921,486	0.9 m l	0%	-*	-*	-*	-*	-*	-*	-*	24	71%	1.0		
	Wheat	France	Cropland - protection status unknown	1,673,961	1.7 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	61	27%	1.9	
		Hungary	Cropland - protection status unknown	246	0.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	61	27%	2.0	
		Netherlands	Cropland - protection status unknown	5,392,136	5.4 m l	1%	0%	0%	0%	100%	0%	0%	0%	100%	50	40%	4.0	
		Romania	Cropland - protection status unknown	32	0.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	61	27%	1.9	
		Serbia	Cropland - protection status unknown	93	0.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	62	26%	1.8	
		Sweden	Cropland - protection status unknown	2,142,679	2.1 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	30	64%	5.0	
		United Kingdom	Cropland - protection status unknown	10,306,908	10.3 m l	1%	0%	38%	0%	62%	0%	0%	38%	62%	37	56%	2.8	
		Unknown	Unknown	982 888	1.0 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	44	47%	2.0	
		Cropland - protected / protection status unknown	297,218	0.3 m l	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	44	47%	2.0	
		Unknown	Unknown	275 481	0.3 m l	0%	0%	0%	0%	100%	0%	0%	0%	100%	70	16%	1.0	
		Unknown	Unknown	13 508 018	13.5 m l	1%	0%	0%	0%	100%	0%	0%	0%	100%	115	-37%	0.0	
	Sweet sorghum	United States	Cropland - non-protected	18,354,318	18.4 m l	2%	0%	0%	0%	100%	0%	0%	0%	100%	50	40%	6.1	
	Bioogas	Municipal organic waste	United Kingdom	By-product	392 917	0.4 m l	0%	0%	100%	0%	0%	100%	0%	0%	27	68%	6.5	
	Total				983,106,869	983.1 m l	100%											
	Mean						0%	53%	2%	45%	0%	51%	4%	45%	32	62%	3.3	

* Under the RTFO Order, these reports must not contain information from which the volumes of fuel being reported by individual suppliers might be derived. To protect the volumes of individual suppliers certain quantities of fuel reported as meeting the Qualifying Standard or RTFO Meta-Standard have been removed from the RTFO figures. In this report, all fuel meeting the Qualifying Standard or Meta-Standard has been included in the overall RTFO figures, but some has still been excluded from the reporting by feedstock and country. The figures by country and feedstock do not therefore tally exactly with the overall figures.

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Table 13: Company data on carbon and sustainability criteria.

	Company	Proportion in each previous land-use category ¹						Proportion meeting an environmental standard			Proportion meeting a social standard			Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving, %	Accuracy level, (0-7)	Data capture, %
		By-product	Cropland - non-protected	Cropland - protected	Cropland - protected / protection status unknown	Cropland - protection status unknown	Unknown	RTFO+OS	Other standards	None/unknown	RTFO+OS	Other standards	None/unknown				
Obligated companies	BP Oil UK Ltd	26%	6%	0%	0%	68%	0%	50%	24%	26%	50%	24%	26%	41	51%	3.9	92%
	ConocoPhillips Ltd	33%	0%	0%	0%	31%	36%	47%	0%	53%	37%	10%	53%	38	55%	2.4	78%
	Essar Oil (UK) Ltd	4%	0%	0%	0%	68%	28%	4%	0%	96%	4%	0%	96%	70	16%	2.1	53%
	Esso Petroleum Company Ltd	51%	30%	0%	0%	11%	7%	51%	0%	49%	51%	0%	49%	30	64%	3.1	86%
	Greenergy Fuels Ltd	45%	55%	0%	0%	0%	0%	45%	0%	55%	45%	0%	55%	30	65%	5.2	86%
	Harvest Energy Ltd	58%	0%	0%	0%	24%	17%	60%	6%	35%	58%	7%	35%	31	63%	2.2	87%
	Lissan Coal Company Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Matanraff UK Ltd	79%	0%	0%	0%	14%	7%	79%	0%	21%	79%	0%	21%	23	73%	1.7	93%
	Petroplus Refining Teesside Ltd	72%	28%	0%	0%	0%	0%	72%	3%	25%	72%	3%	25%	24	71%	2.0	94%
	Prax Petroleum Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Shell UK Ltd	0%	0%	0%	0%	100%	0%	5%	0%	95%	0%	5%	95%	44	48%	3.4	76%
	Topaz Energy Ltd	100%	0%	0%	0%	0%	0%	73%	0%	27%	73%	0%	27%	13	84%	4.0	93%
	Total UK Ltd	72%	0%	0%	0%	15%	13%	74%	0%	26%	70%	4%	26%	26	69%	1.4	90%
	Valero Energy Ltd	59%	16%	0%	0%	0%	25%	75%	0%	25%	59%	16%	25%	36	57%	1.0	60%
	A & V Squires Plant Co Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Apple Fuels Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
Non-obligated companies	Argent Energy (UK) Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Associated British Bio-Fuels Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	2.0	100%
	Bio UK Fuels (Sheffield) Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Biofuel Refineries Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	10	88%	7.0	100%
	Biomotive Fuels Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	3	96%	5.6	100%
	Convert2Green Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Edible Oil Direct Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	13	84%	2.0	100%
	Evergreen Oil (High Laver) Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Footprint Fuels	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Fuel Systems UK Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Gasrec Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	27	68%	6.5	100%
	Neal Environmental Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	0.0	100%
	Proper Energy Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%
	Pure Fuels Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.7	100%
	Rural Development Trust	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	75%
	Uptown Biodiesel Ltd	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.7	100%
	Veg Oil Motoring	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	1	99%	3.0	100%
	Verdant Fuel Ltd	0%	29%	0%	0%	30%	41%	59%	0%	41%	0%	59%	41%	36	57%	1.3	79%
	Wight Made Diesel	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	14	83%	1.0	100%

¹ Only six land use types have been reported by companies in year four: by-products, cropland - non protected; cropland - protected; cropland protected/protection status unknown; cropland - protection status; unknown land use.

The other land use types are: degraded land; forest >30%; forest >30% no change in status; forest 10-30%; forest 10-30% no change in status, grassland with agricultural land; grassland without agricultural land; settlement, undrained peatland; undrained peatland - no change in status; wetland; wetland - no change in status

RTFO report for the pre-RED implementation part of Year 4

Provisional data for the 2011/12 obligation year to date

Trading of RTFCs

RTFCs traded per quarter by type of account holder

Table 14.1 RTFCs traded from Obligation Year 2008/09

<i>Quarter</i>	<i>Quarter (date)</i>	<i>From</i>	<i>To</i>	<i>RTFCs</i>	<i>%</i>
2	Jul 2008 - Oct 2008	Biofuel Suppliers	Fossil Fuel Suppliers	2,791,602	2%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	11,347,500	7%
3	Oct 2008 - Jan 2009	Biofuel Suppliers	Fossil Fuel Suppliers	809,000	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	17,538,750	10%
4	Jan 2009 - Apr 2009	Biofuel Suppliers	Biofuel Suppliers	3,063,335	2%
			Fossil Fuel Suppliers	1,883,310	1%
			Other	10,000	0%
		Fossil Fuel Suppliers	Biofuel Suppliers	1,175,000	1%
			Fossil Fuel Suppliers	16,601,408	10%
			Other	10,000	0%
		Other	Biofuel Suppliers	10,000	0%
			Fossil Fuel Suppliers	10,000	0%
5	Apr 2009 - Jul 2009	Biofuel Suppliers	Biofuel Suppliers	83,812	0%
			Fossil Fuel Suppliers	830,000	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	75,625,694	45%
6	Jul 2009 - Oct 2009	Fossil Fuel Suppliers	Fossil Fuel Suppliers	32,395,869	19%
7	Oct 2009 - Jan 2010	Fossil Fuel Suppliers	Fossil Fuel Suppliers	1,779,869	1%
8	Jan 2010 - Apr 2010	Fossil Fuel Suppliers	Fossil Fuel Suppliers	482,516	0%
9	Apr 2010 - Jul 2010	Fossil Fuel Suppliers	Fossil Fuel Suppliers	381,292	0%
10	Jul 2010 - Oct 2010	Fossil Fuel Suppliers	Fossil Fuel Suppliers	2,182,910	1%
Grand Total				169,011,867	100%

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Provisional data for the 2011/12 obligation year to date

Trading of RTFCs

RTFCs traded per quarter by type of account holder

Table 14.2 RTFCs traded from Obligation Year 2009/10

<i>Quarter</i>	<i>Quarter (date)</i>	<i>From</i>	<i>To</i>	<i>RTFCs</i>	<i>%</i>
6	Jul 2009 - Oct 2009	Biofuel Suppliers	Biofuel Suppliers	309,980	0%
			Fossil Fuel Suppliers	97,950	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	6,580,808	2%
7	Oct 2009 - Jan 2010	Biofuel Suppliers	Biofuel Suppliers	295,010	0%
			Fossil Fuel Suppliers	1,743,960	0%
			Other	388,179	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	29,383,440	8%
		Other	Fossil Fuel Suppliers	388,179	0%
8	Jan 2010 - Apr 2010	Biofuel Suppliers	Biofuel Suppliers	297,016	0%
			Fossil Fuel Suppliers	2,143,955	1%
			Other	167,949	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	85,516,261	23%
		Other	Fossil Fuel Suppliers	167,949	0%
9	Apr 2010 - Jul 2010	Biofuel Suppliers	Biofuel Suppliers	29,058	0%
			Fossil Fuel Suppliers	18,128,489	5%
			Other	442,404	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	57,678,763	15%
			Other	5,000,000	1%
		Other	Fossil Fuel Suppliers	5,442,374	1%
10	Jul 2010 - Oct 2010	Biofuel Suppliers	Fossil Fuel Suppliers	11,199,636	3%
			Other	702,017	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	40,912,731	11%
			Other	6,300,000	2%
		Other	Fossil Fuel Suppliers	7,340,210	2%
			Other	338,193	0%

RTFO report for the pre-RED implementation part of Year 4

Provisional data for the 2011/12 obligation year to date

Trading of RTFCs					
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11	<i>Oct 2010 - Jan 2011</i>	<i>Biofuel Suppliers</i>	<i>Fossil Fuel Suppliers</i>	673,064	0%
			<i>Other</i>	72,576	0%
		<i>Fossil Fuel Suppliers</i>	<i>Fossil Fuel Suppliers</i>	35,339,860	9%
		<i>Other</i>	<i>Other</i>	3,100,000	1%
12	<i>Jan 2011 - Apr 2011</i>	<i>Fossil Fuel Suppliers</i>	<i>Fossil Fuel Suppliers</i>	14,758,963	4%
			<i>Other</i>	500,000	0%
		<i>Other</i>	<i>Fossil Fuel Suppliers</i>	500,000	0%
13	<i>Apr 2011 - Jul 2011</i>	<i>Fossil Fuel Suppliers</i>	<i>Fossil Fuel Suppliers</i>	21,201,291	6%
14	<i>Jul 2011 - Oct 2011</i>	<i>Fossil Fuel Suppliers</i>	<i>Fossil Fuel Suppliers</i>	13,551,179	4%
<i>Grand Total</i>				373,864,020	100%

RTFO report for the pre-RED implementation part of Year 4

Provisional data for the 2011/12 obligation year to date

Trading of RTFCs

RTFCs traded per quarter by type of account holder

Table 14.3 RTFCs traded from Obligation Year 2010/11

<i>Quarter</i>	<i>Quarter (date)</i>	<i>From</i>	<i>To</i>	<i>RTFCs</i>	<i>%</i>
10	Jul 2010 - Oct 2010	Biofuel Suppliers	Biofuel Suppliers	338,193	0%
			Fossil Fuel Suppliers	500,000	0%
			Other	1,131,371	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	58,451,442	8%
			Other	29,058	0%
		Other	Biofuel Suppliers	294,008	0%
		Fossil Fuel Suppliers	528,228	0%	
11	Oct 2010 - Jan 2011	Biofuel Suppliers	Fossil Fuel Suppliers	5,146,444	1%
			Other	867,448	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	169,396,063	22%
			Other	1,012,940	0%
		Other	Fossil Fuel Suppliers	1,880,388	0%
12	Jan 2011 - Apr 2011	Biofuel Suppliers	Fossil Fuel Suppliers	1,602,847	0%
			Other	709,189	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	175,749,837	23%
			Other	8,010,000	1%
		Other	Fossil Fuel Suppliers	8,715,099	1%
13	Apr 2011 - Jul 2011	Biofuel Suppliers	Fossil Fuel Suppliers	23,837,261	3%
			Other	590,647	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	199,876,837	27%
			Other	1,000,000	0%
		Other	Fossil Fuel Suppliers	1,594,647	0%
14	Jul 2011 - Oct 2011	Biofuel Suppliers	Fossil Fuel Suppliers	2,503,137	0%
			Other	142,246	0%
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	61,888,165	8%
		Other	Fossil Fuel Suppliers	142,246	0%

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Trading of RTFCs

15	Oct 2011 - Jan 2012	Fossil Fuel Suppliers	Fossil Fuel Suppliers	12,847,641	2%
			Other	2,012,851	0%
16	Jan 2012 - Apr 2012	Fossil Fuel Suppliers	Fossil Fuel Suppliers	6,770,850	1%
			Other	3,000,000	0%
		Other	Fossil Fuel Suppliers	3,191,228	0%
Grand Total				753,760,311	100%

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Trading of RTFCs

RTFCs traded per quarter by type of account holder

Table 14.4 RTFCs traded from Obligation Year 2011/12

<i>Quarter</i>	<i>FROM</i>	<i>FROM</i>	<i>TO</i>	<i>RTFCs</i>	<i>%</i>		
14	<i>Jul 2011 - Oct 2011</i>	Biofuel Suppliers	Biofuel Suppliers	22,874	0%		
			Fossil Fuel Suppliers	375,000	0%		
			Other	371,958	0%		
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	167,101,124	33%		
			Other	15,500,000	3%		
		Other	Fossil Fuel Suppliers	15,871,958	3%		
		Other	30,241	0%			
15	<i>Oct 2011 - Jan 2012</i>	Biofuel Suppliers	Fossil Fuel Suppliers	3,875,000	1%		
			Other	794,185	0%		
		Fossil Fuel Suppliers	Fossil Fuel Suppliers	166,463,224	33%		
		Other	Fossil Fuel Suppliers	523,843	0%		
			Other	80,528	0%		
		16	<i>Jan 2012 - Apr 2012</i>	Biofuel Suppliers	Biofuel Suppliers	6,485	0%
Fossil Fuel Suppliers	2,616,606				1%		
Other	834,121				0%		
Fossil Fuel Suppliers	Biofuel Suppliers			1,000,000	0%		
	Fossil Fuel Suppliers			118,245,758	24%		
	Other			3,000,000	1%		
Other	Fossil Fuel Suppliers			3,536,709	1%		
<i>Grand Total</i>				500,249,614	100%		

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Notes on data

Introduction

To encourage the sourcing of sustainable biofuels, the RTFO Administrator requires fuel suppliers claiming Renewable Transport Fuel Certificates to submit monthly reports on the lifecycle greenhouse gas (GHG) saving and the sustainability of the biofuels they supply.

Reporting is also seen by the Government as an essential 'stepping stone' towards a mandatory assurance scheme. The EU's Renewable Energy Directive (RED) includes mandatory sustainability requirements. The RED was transposed into UK law in December 2011 and all RTFO data publications on fuel supplied on or after 15/12/11 will report against the RED sustainability criteria.

This report provides information on the carbon and sustainability performance of renewable fuels supplied under the RTFO. The data are derived from the monthly reports on biofuels provided by individual fuel suppliers. At the end of the reporting year¹ fuel suppliers are required to provide an independent verifier's opinion² on their information, and this verified information will be published.

The carbon and sustainability data cover the *direct* impacts arising from biofuel cultivation. The RTFO Administrator separately monitors the potential *indirect* impacts of biofuel production such as indirect land-use change or changes to food and other commodity prices (e.g. *The Gallagher Review of the indirect effects of biofuels production* which was published on 8 July 2008).

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Notes on data

Sustainability and the RTFO Meta-Standard

The RTFO is built around seven sustainability principles; five environmental and two social. These seven principles have been used to define the RTFO Sustainability Meta-Standard. A meta-standard approach enables existing schemes, such as the UK's Assured Combinable Crops Scheme (ACCS), to be assessed against the RTFO principles.

No schemes currently meet all of the environmental and social principles; although two schemes meet both of the social principles. Suppliers are also permitted to set up their own auditing procedures to demonstrate that feedstocks meet the RTFO Meta-Standard: two suppliers have developed interpretations of the RTFO Meta-Standard which cover Brazilian sugar cane and cereal crops.

Any scheme that meets an adequate number of the RTFO Meta-Standard criteria is considered a 'qualifying standard', and fuel companies can report these to the RTFO Administrator. Fuels from wastes (e.g. used cooking oil and tallow³) are automatically considered to meet the qualifying level.

Other standards can also be reported to the RTFO Administrator and count towards the data capture target; these include standards that have not yet been benchmarked against the RTFO Meta-Standard, or standards that have been benchmarked, but do not meet sufficient criteria to be awarded the qualifying level status.

While there are currently several qualifying standards for the RTFO, these are mostly either under development or only newly established; the ACCS is the only well established certification scheme, and is only applicable to UK crops. This currently limits the ability of fuel suppliers to source certifiably sustainable feedstocks⁴. The market is developing, and suppliers have been putting in place procedures to track information about sustainability through their supply chains and others have been performing their own audits against the Meta-Standard. It is intended that by creating a market for sustainable crops, the RTFO will support the development and expansion of these certification schemes, and that suppliers will be able to source their feedstocks increasingly sustainably.

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Notes on data

Content of RTFO reports

RTFO reports include information on:

- ˆ volumes of fuel by fuel type (e.g. biodiesel, bioethanol);
- ˆ volumes of fuel by feedstock (e.g. used cooking oil, soy);
- ˆ volumes of fuel by country of origin (e.g. UK, Brazil);
- ˆ volumes of fuel meeting sustainability standards;
- ˆ lifecycle greenhouse gas savings of fuels.

RTFO summary data

Table 1 reports on the overall performance of data received from companies against three key indicators of sustainability

Tables 2 to 8 provide summaries of all the road transport biofuel supplied to the UK for each fuel type, feedstock, country of origin, and previous land-use.

Table 9 and 10 look into the data capture and accuracy of data collected

RTFO trends

Table 11 presents data on RTFO performance over time.

RTFO detailed data

Table 12 provides more detailed data broken down by fuel type, feedstock, country of origin and previous land-use. So, for example, data are provided on the volumes of fuel and the C&S information of bioethanol from Brazilian sugar cane, or biodiesel obtained from oilseed rape grown in the UK on cropland, and also meeting a Qualifying Standard.

RTFO reports also include additional information on:

- ˆ company performance against key indicators of sustainability;
- ˆ trades of renewable transport fuel certificates (RTFCs) between companies.

Company data

Table 13 provides data on company C&S performance.

RTFCs

Contains data on trades of certificates between companies over time.

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Notes on data

Provisional data

These data are based on information submitted monthly to the RTFO Administrator by fuel suppliers. If we have reason to believe that a piece of data may have been misreported we will challenge companies to check and if necessary revise their data. Where this process is ongoing, our reports are based on the data exactly as reported to us. The final verification² of these data occur annually (by 28 September 2012 for Year 4 of the RTFO).

Each RTFO Report released by the RTFO Administrator will contain data from the reporting year¹ to date on biofuels entering the UK market from those companies that are registered with the RTFO Administrator.

The exact timing of the months that the data covers is different for major and minor fuel suppliers, due to the way they report data on volumes of fuel to HM Revenue and Customs (HMRC):

- Large fuel companies (typically fossil fuel suppliers) report to HMRC on a 15th to 14th of the month basis.
- Smaller fuel companies (typically biofuel suppliers) report by calendar month or quarter.

Note that the data in this report are provisional and unverified and may change following publication. It is your responsibility to check you have the latest version - please check our website for updates

Footnotes

¹. The fourth reporting or obligation year runs from 15 April 2011 to 14 April 2012. This report contains data from 15 April 2011 to 14 December 2011.

². Suppliers applying for < 450,000 renewable transport fuel certificates are not required to submit a verifier's opinion.

³. Research indicates there are indirect effects of tallow and other waste feedstocks with alternative uses:

<http://www.renewablefuelsagency.gov.uk/reportsandpublications/indirecteffectsofwastes>

⁴. There is more than enough Roundtable on Sustainable Palm Oil (RSPO) certified palm oil to meet the entire UK demand for palm oil biodiesel feedstock.

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Glossary

Obligated company

- An obligated company is one that supplies > 450,000 litres/year of relevant hydrocarbon oil road transport fuel
- Obligated companies supply > 99% of the biofuels in the UK market
- Obligated suppliers must:
 - supply biofuels; or
 - purchase certificates from other companies supplying biofuels; or
 - pay into a buy-out fund; or
 - a combination of any of the above.

Non-obligated company

- Non-obligated companies are those that either supply < 450,000 litres/year of relevant hydrocarbon oil road transport fuel, or only supply biofuels.
- Non-obligated companies are not required to register with us, but can choose to do so and earn one Renewable Transport Fuel Certificate (RTFC) for every litre of biofuel supplied.

Sustainability standards

- Sustainability assurance schemes are divided into Environmental and Social Standards and these are split into three levels:
 1. RTFO Meta-Standard (RTFO) - this is a higher standard than most existing sustainability standards and covers seven key environmental and social principles.
 2. Qualifying Standards (QS) - meet the majority of the environmental and/or social criteria defined under the RTFO Meta-Standard.
 3. Other Standards - these have either not yet been benchmarked, or have been benchmarked against the RTFO Meta-Standard, but do not meet sufficient criteria to be awarded QS status.
- None/unknown should be reported where the feedstock was not certified against a standard, or the data is unavailable.
- Suppliers can report a Benchmarked or Qualifying Standard and conduct supplementary audits to meet a QS or the RTFO Meta-Standard, respectively.
- Suppliers producing biofuels from by-products have little or no control over how the source feedstocks were produced. Biofuels from by-products are automatically credited to the Qualifying Standard.

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Glossary

Previous land-use

- This is the use of the land on which the feedstock crop was grown prior to 1 Jan 2008. There are sixteen categories:

1. by-products;
2. cropland - protection status unknown;
3. cropland - non protected;
4. cropland - protected;
5. cropland - protected - no change in status
6. degraded land;
7. forest >30%;
8. forest >30% no change in status;
9. forest 10-30%;
10. forest 10-30% no change in status;
11. grassland (and other wooded land not classified as forest) with agricultural land;
grassland (and other wooded land not classified as forest) without agricultural land;
12. undrained peatland;
13. undrained peatland - no change in status;
14. wetland;
15. wetland - no change in status;
16. settlement
17. unknown

- By-products (e.g. used cooking oil and tallow) do not require any additional land.

- The previous land-use affects greenhouse gas emissions due to release of carbon stored in the soil and plants when the land is cleared and ploughed up for biofuel crops.

Carbon intensity

- Carbon intensity is a measure of the greenhouse gas (GHG) emissions of the fuel chain from 'field-to-wheel'

- Different GHGs have different potencies (some make a greater contribution to global warming than others)

- To account for this, all GHGs are expressed in terms of their strength relative to carbon dioxide, called carbon dioxide equivalent (CO₂e).

Greenhouse gas emissions

- Greenhouse gas (GHG) emissions of different biofuels can vary significantly depending on the system of cultivation, processing, and transportation of feedstock.

- The data collected takes into account GHG emissions of the fuel chain from 'field to wheel' incorporating data on feedstock, country of origin and land-use change.

- GHG saving refers to the reduction in GHG emissions due to replacing fossil fuels with biofuels. A negative value means that more GHGs have been emitted by using the biofuel than if the fossil fuel was used.

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Glossary

Accuracy level

- Accuracy level is a measure of the amount of data provided by the supplier on a particular batch of biofuels
 - ~This data is used for calculation of the greenhouse gas emissions of the fuel chain
 - ~It ranges from 0 to 7 where 7 is the highest:
 - Level 0 - Fuel default
 - Level 1 - Feedstock default
 - Level 2 - Process default
 - Level 3 - Actual data for transport, drying and storage, fuel depot or filling station
 - Level 4 - Actual data for process module
 - Level 5 - NUTS2 or other regional cultivation emissions
 - Level 6 - Actual 'collected' cultivation data
 - Level 7 - Actual data provided for the entire fuel chain

Data Capture

- Data capture refers to the amount of data provided by transport fuel suppliers against the four sustainability components (as opposed to reporting 'unknown'):
 1. biofuel feedstock
 2. feedstock country of origin
 3. sustainability standard
 4. land-use on 23 January 2008
- Whilst 'unknown' reporting is permitted, suppliers are encouraged to identify and report accurate information about the feedstocks used. Where 'unknown' or 'none' is reported this does not count towards the data capture target.
- Where a by-product has been used as the feedstock, reporting 'by-product' for the sustainability information fields is counted as a completed report.
- ~Reporting a non-Qualifying Standard is also counted as a completed data field for the 'standard' field