

Contents

	Page
Executive summary	2
RTFO graphs	4
RTFO trends	12
Obligated company graphs	15
RTFO summary data	18
RTFO detailed data	21
Company data	23
RTFC trading tables and graphs	25
Notes on data	30
Glossary	35

Executive Summary

2.9 billion litres of biofuel have been supplied under the RTFO in the first 24 months.

This report covers the supply of biofuels under the Renewable Transport Fuel Obligation¹ from 15 April 2009 to 14 April 2010. The headline figures² are:

In the full twelve months of the 2009/10 obligation period, 1,568 million litres of biofuel have been supplied, which is approximately 3.33% of total road transport fuel reported to the RFA against an annual target of 3.25%³. More biodiesel (71%) has been supplied than bioethanol (29%).

The feedstock is known for 93% of fuel supplied. Both the feedstock and country of origin are known for 88%. The most widely reported source of biodiesel was soy from Argentina (28% of biodiesel supplied). The most widely reported source of bioethanol was sugarcane from Brazil (67% of bioethanol supplied).

Over the period, 33%⁴ of biofuels met an environmental standard, compared to a target of 50%⁵.

The majority of feedstock has been imported; 10% of the biofuel was reported as coming from UK feedstocks. 98% of the fuel reported as coming from UK feedstocks met environmental sustainability standards.

Greenhouse gas savings of 51% were achieved against a Government target⁶ of 45%. This figure may not include all emissions from direct land use change and excludes the emissions from indirect land-use changes considered in the Agency's 'Gallagher Review'.

Executive Summary

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

Every quarter we publish an extended report that identifies the carbon and sustainability performance of individual companies. These reports are available on our website at:

www.renewablefuelsagency.gov.uk/rtfo

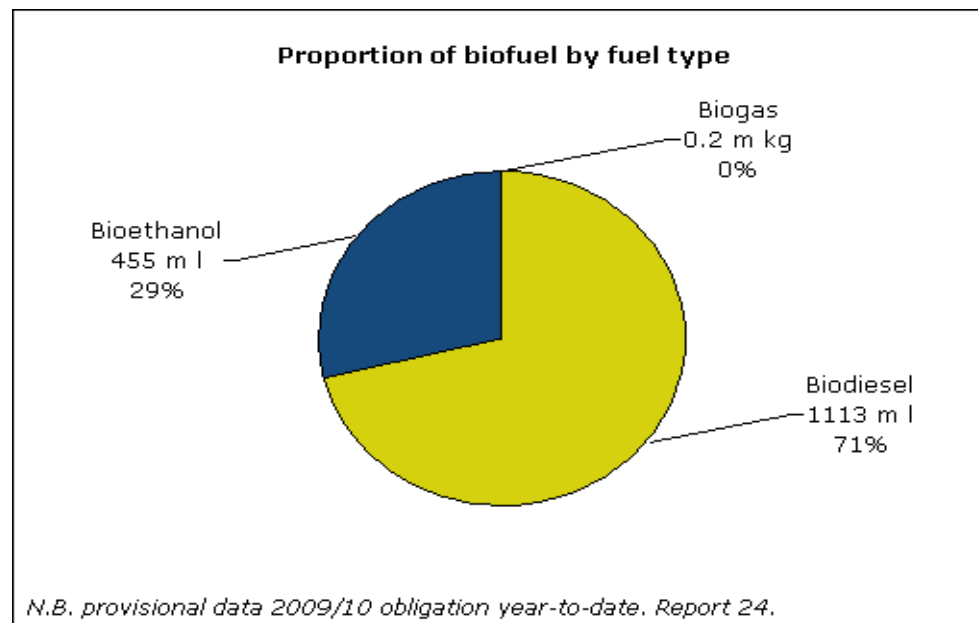
³ Obligated suppliers can meet their volume obligation by surrendering the appropriate number of RTFCs to the RFA and/or by paying into a buy-out fund. The RTFCs can be obtained by supplying their own biofuels or by purchasing RTFCs from other biofuel suppliers. A quarter of their obligation can be met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

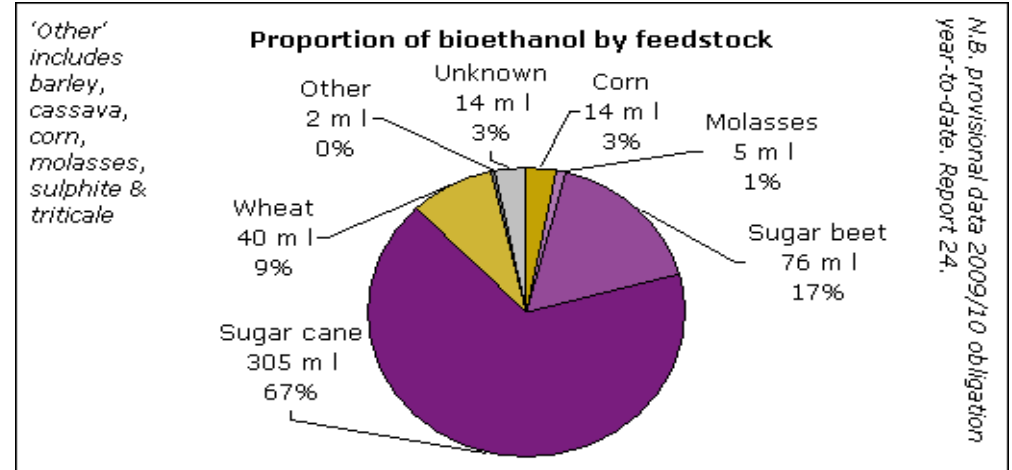
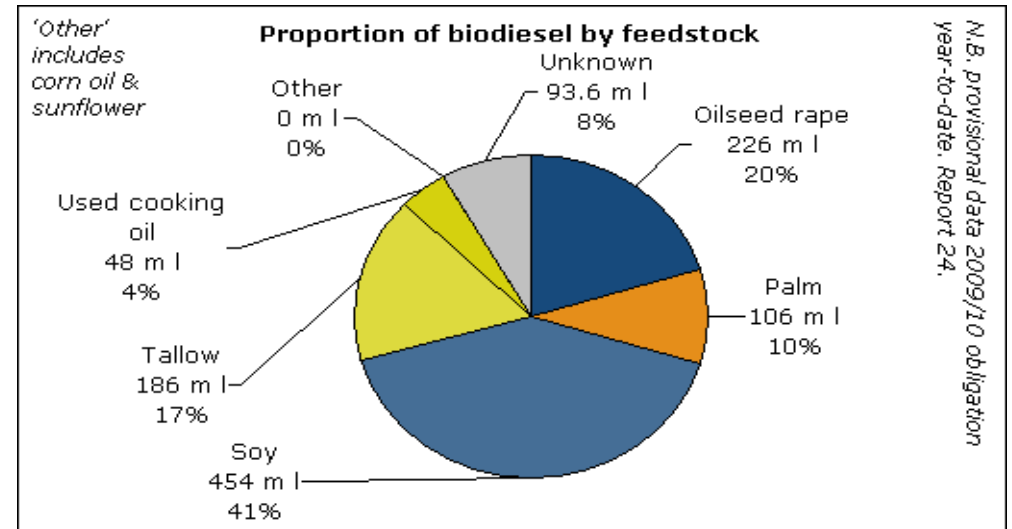
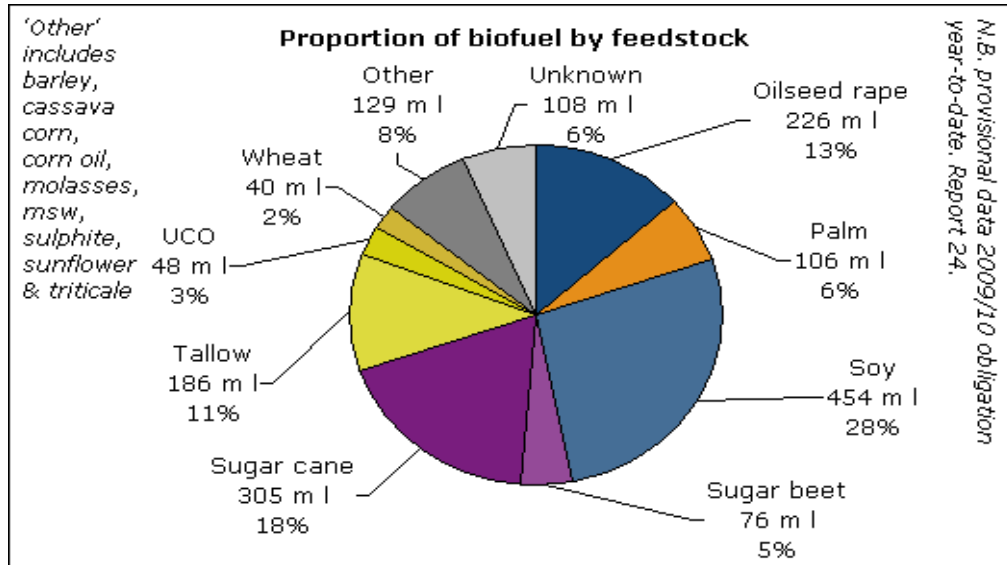
⁵ 50% of feedstocks should meet environmental sustainability standards in the year 2009/10. The ability of suppliers to source certifiably sustainable fuels is currently limited by the lack of operational sustainability standards for several feedstock/country combinations. Certified sustainable feedstock 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.

⁶ Throughout their report 'Government targets' refers to targets set by the Government in 2007.

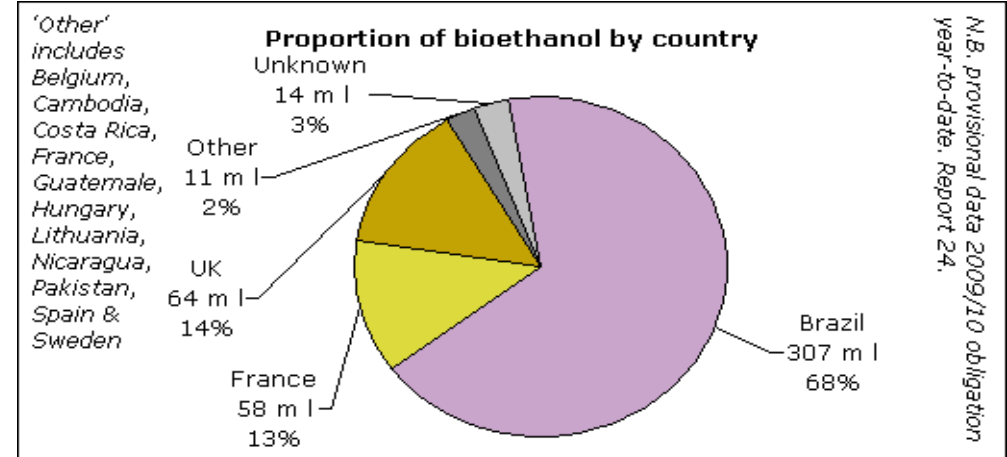
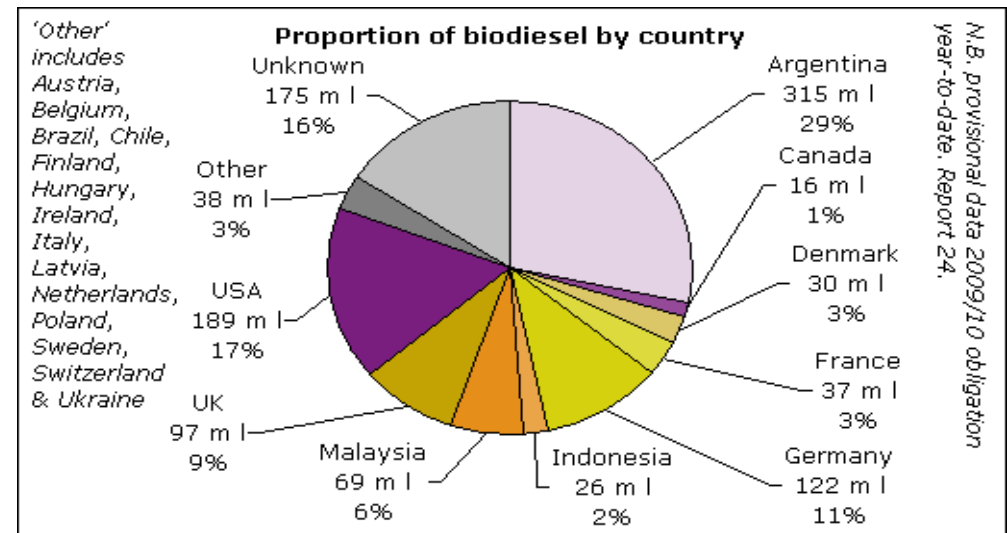
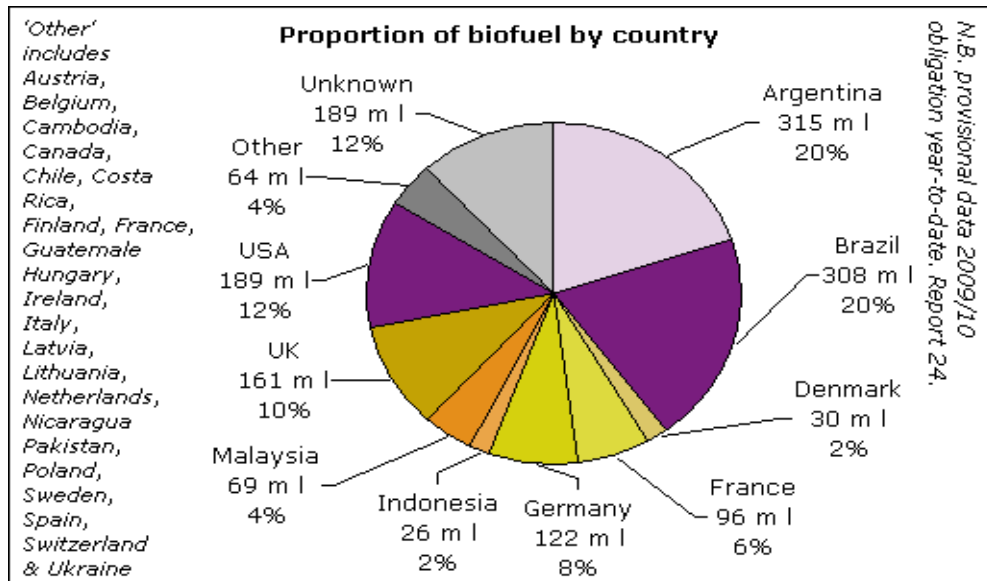
Volumes and proportions by fuel type



Proportions by feedstock

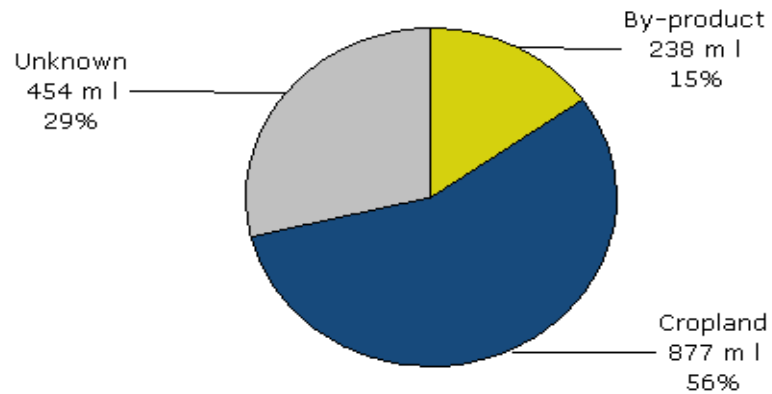


Proportions by country



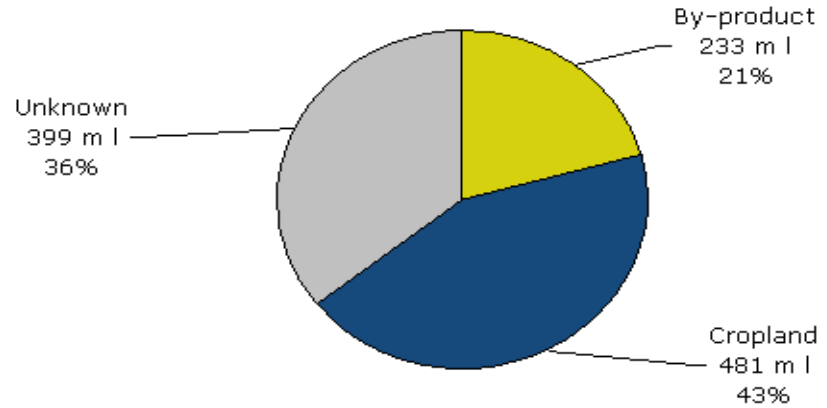
Proportions by previous land-use

Proportion of biofuel by previous land-use



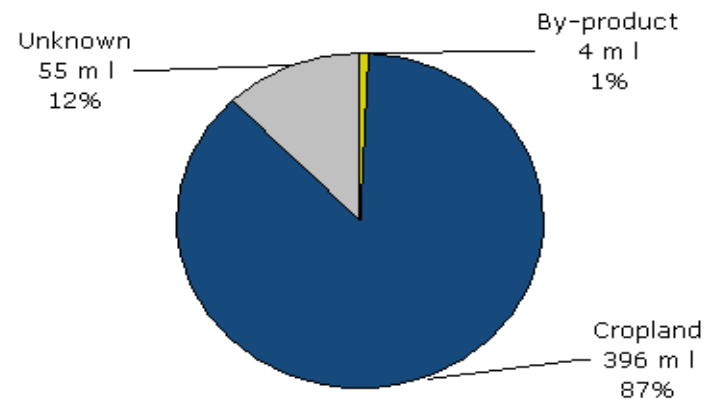
N.B. provisional data 2009/10 obligation year-to-date. Report 24.

Proportion of biodiesel by previous land-use



N.B. provisional data 2009/10 obligation year-to-date. Report 24.

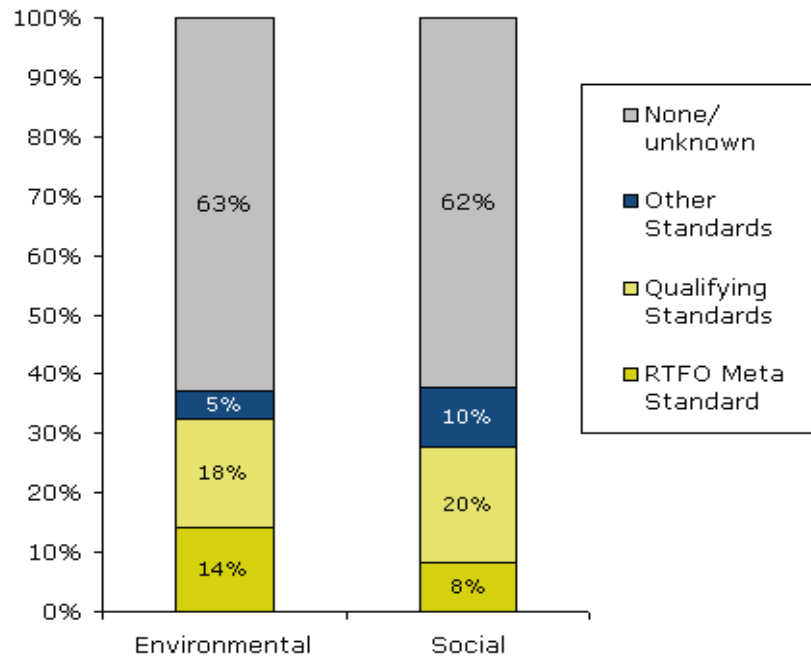
Proportion of bioethanol by previous land-use



N.B. provisional data 2009/10 obligation year-to-date. Report 24.

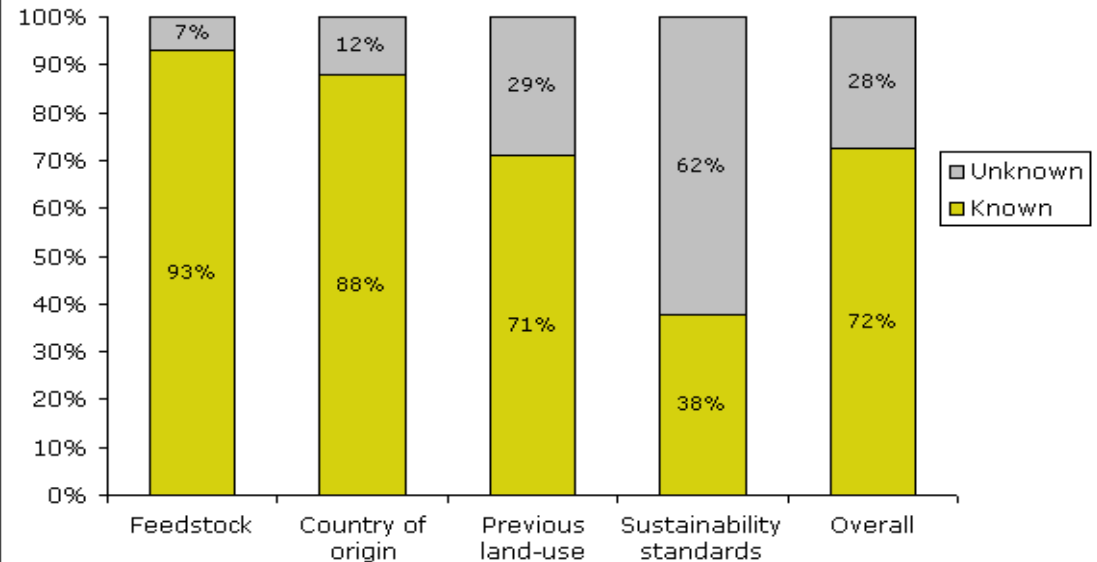
Sustainability, data-capture and accuracy

Proportion of biofuel meeting sustainability standards

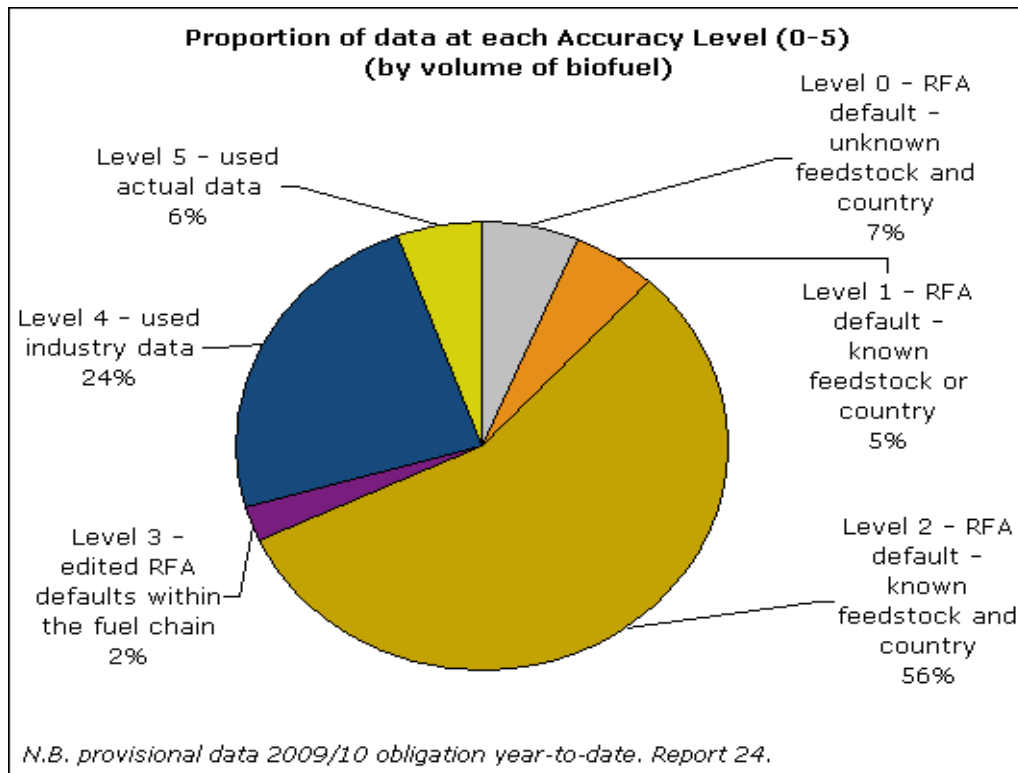


N.B. provisional data 2009/10 obligation year-to-date. Report 24.

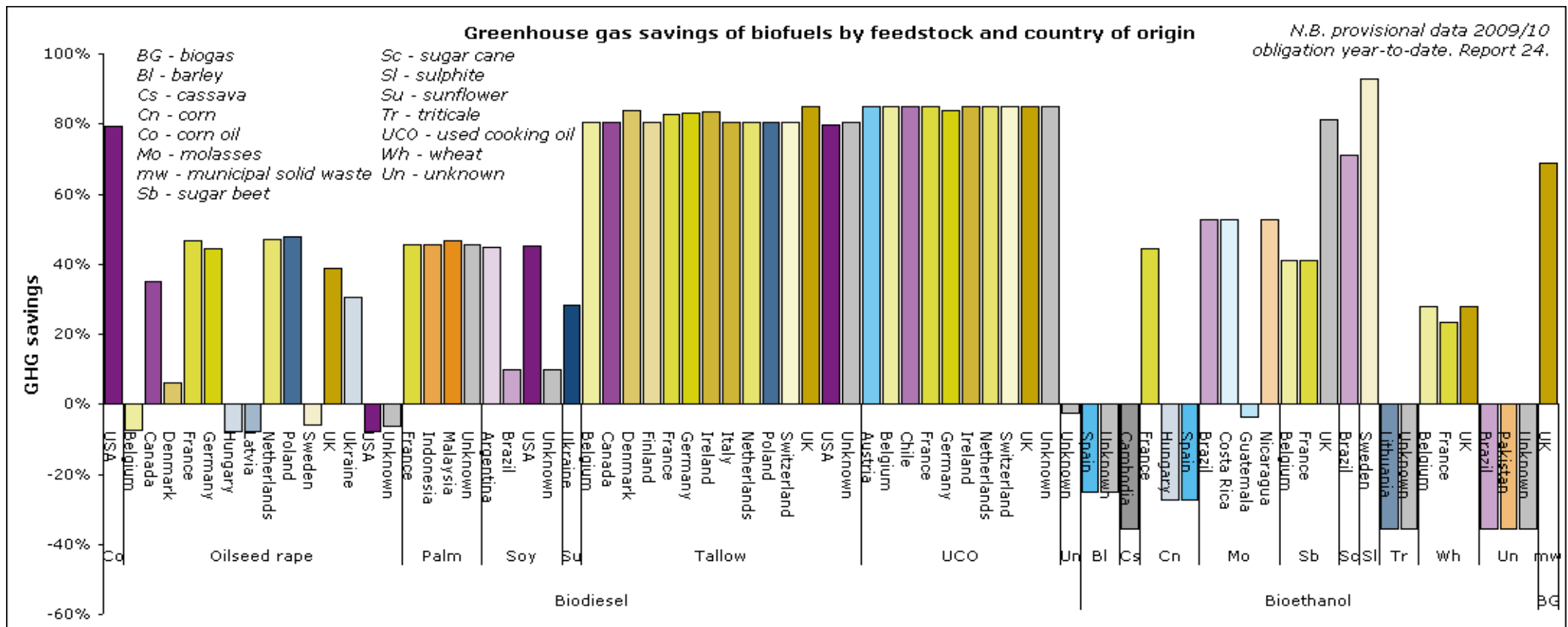
Data capture - volumes of biofuel with known/unknown feedstock, country of origin, previous land-use, sustainability standards, and overall



N.B. provisional data 2009/10 obligation year-to-date. Report 24.

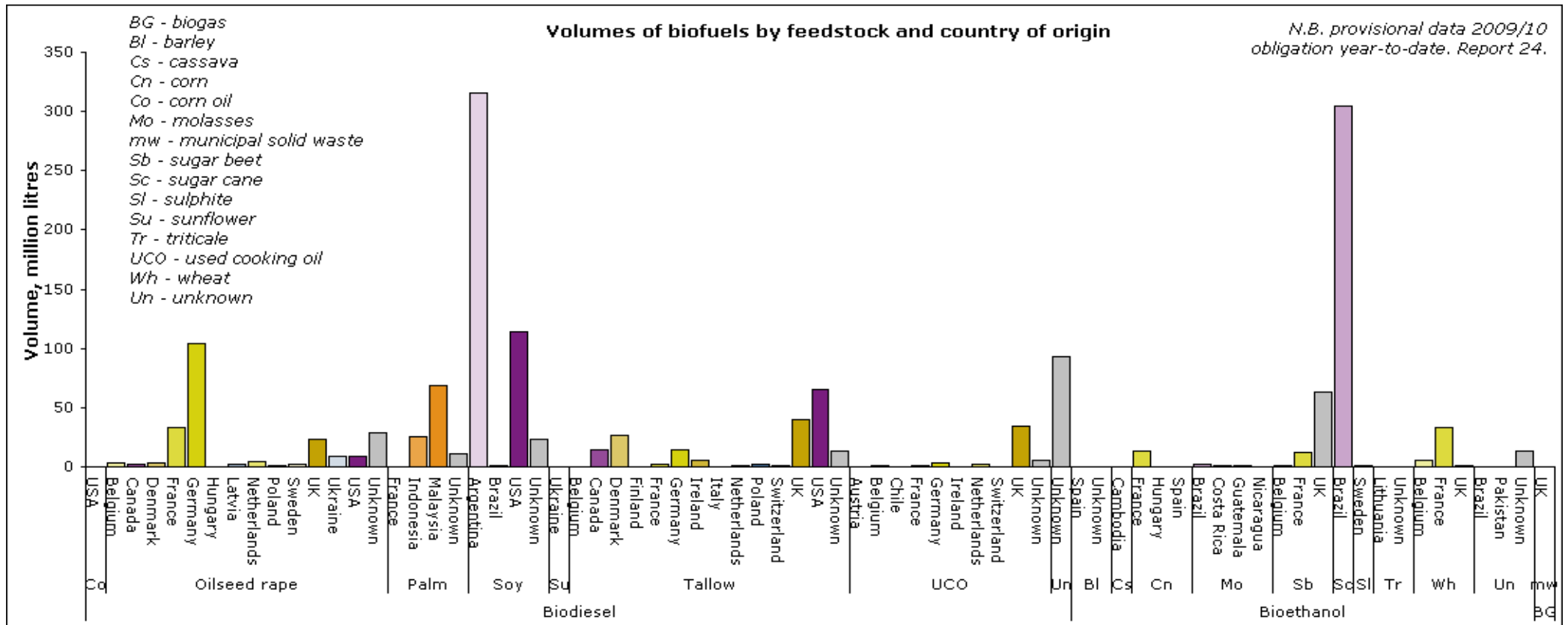


Greenhouse gas savings

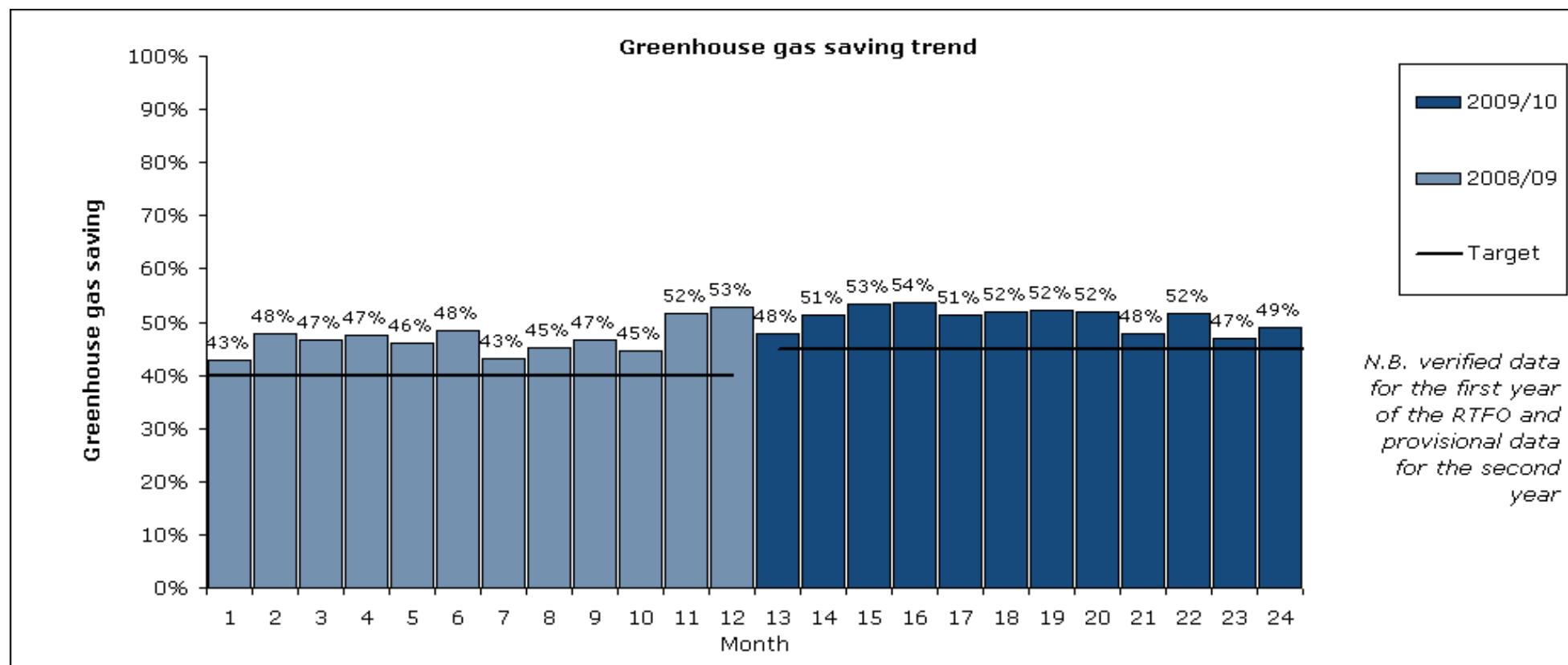


As there was no RFA carbon default for oilseed rape from Belgium, Denmark, Hungary, Latvia and Sweden, the conservative default for unknown country of origin has been reported in the year to date, which is based on the default for US oilseed rape. Similarly, there was no RFA carbon default for triticale from Lithuania, corn from Spain and Hungary, and cassava from Cambodia. Consequently, negative GHG savings have been reported for these countries which may not represent the actual GHG savings. The RFA has subsequently calculated carbon defaults for biodiesel derived from oilseed rape from Belgium and Sweden. The volumes for the remaining country/feedstock combinations are low, so default values are not being determined.

Volume by feedstock and country

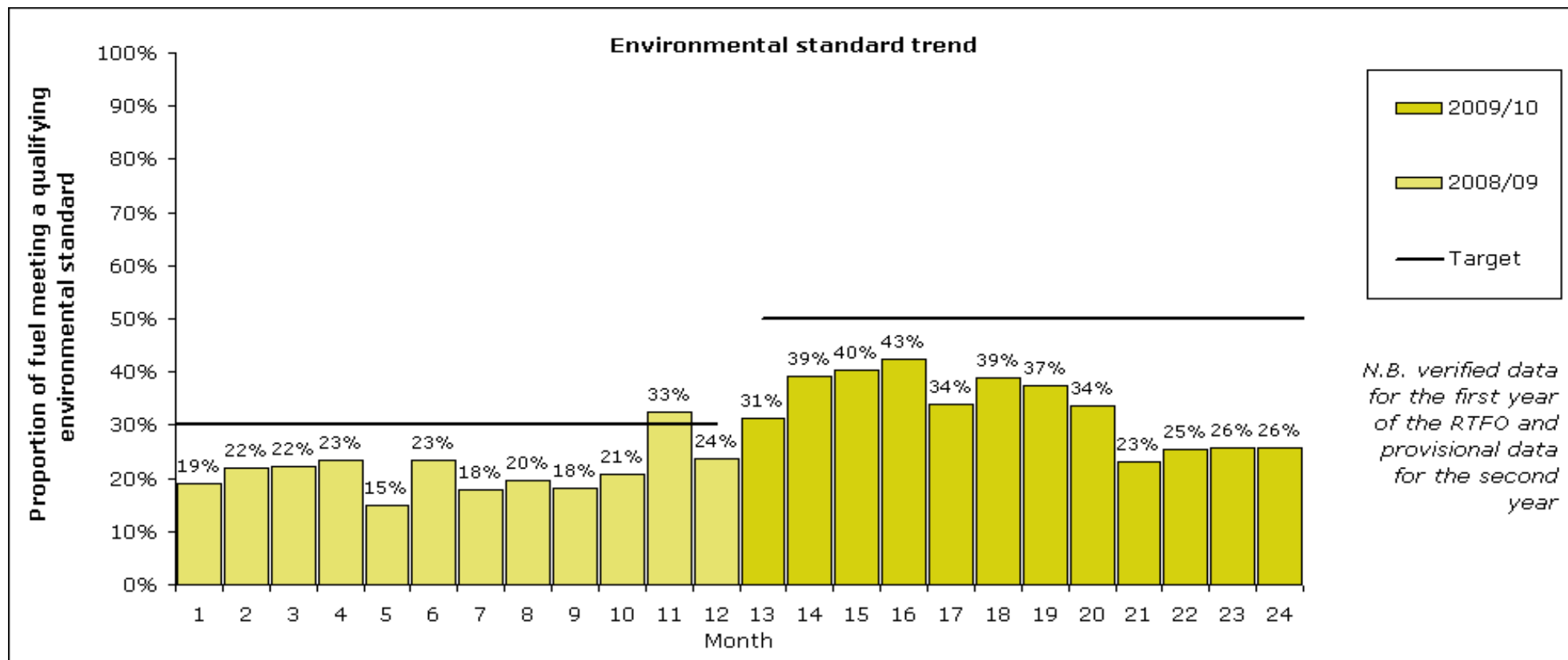


Performance trends against the RTFO's targets

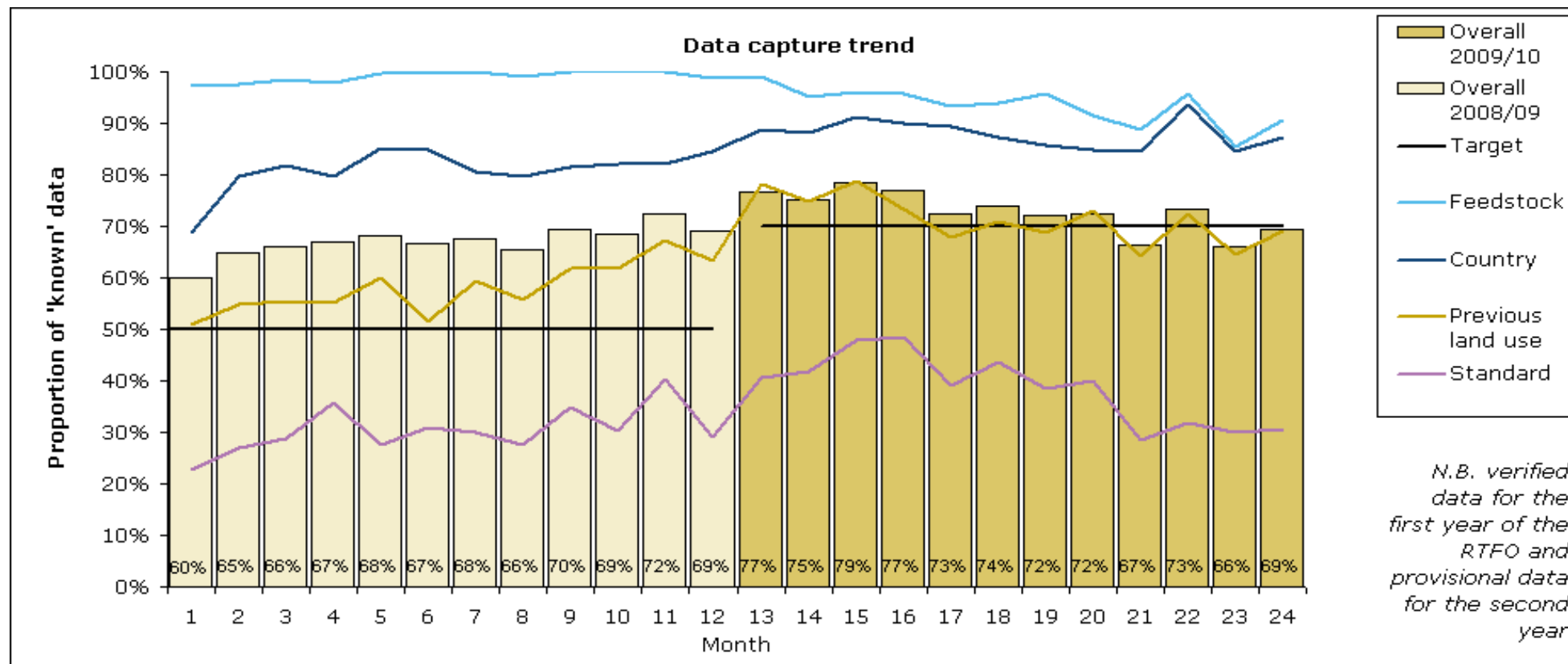


The carbon intensity defaults for biofuels from an unknown country and/or feedstock have been set more conservatively from the second reporting year of the RTFO (Month 13). This is to encourage suppliers to obtain data on the origin of their biofuels.

Performance trends against the RTFO's targets



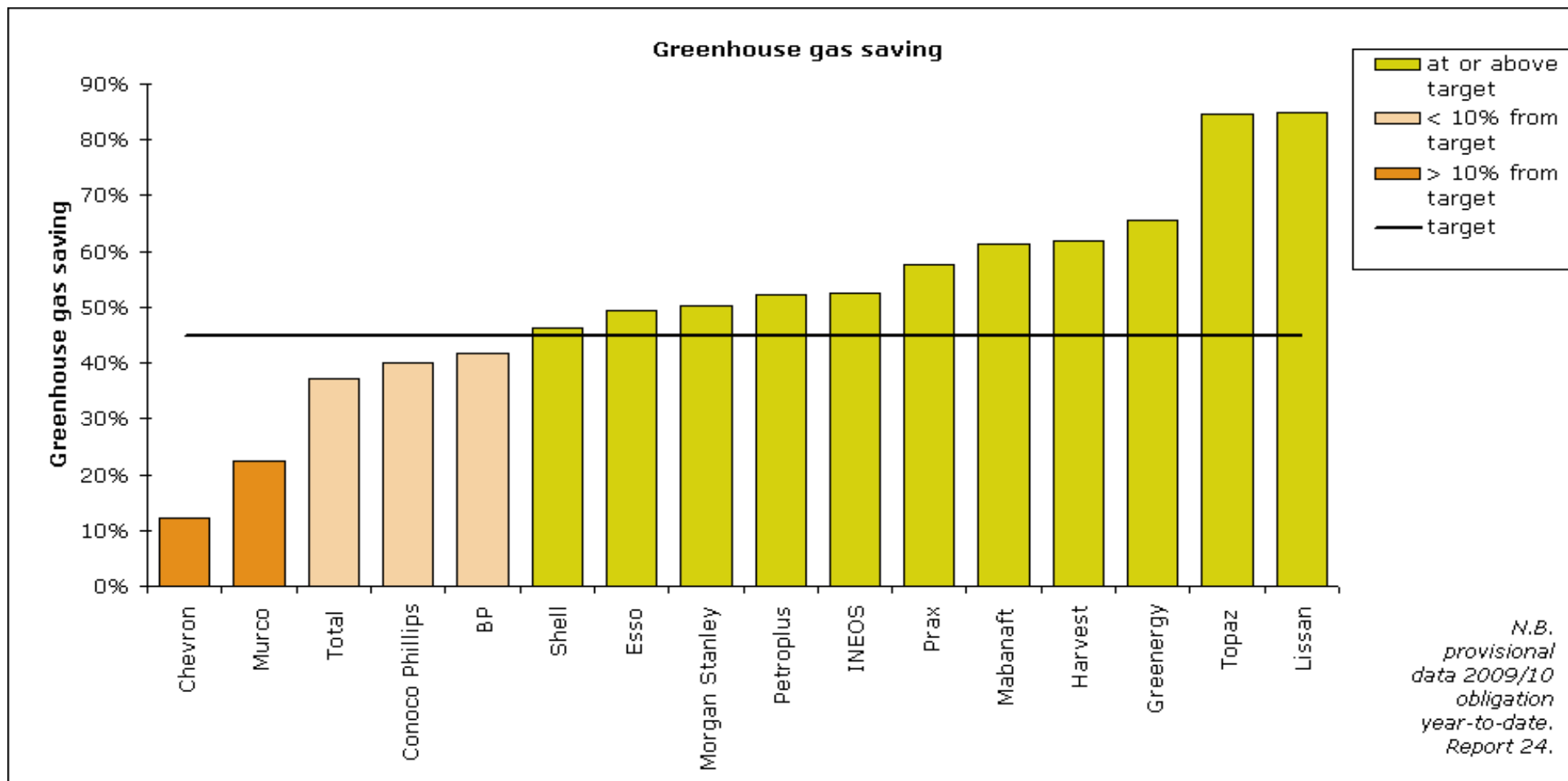
Performance trends against the RTFO's targets



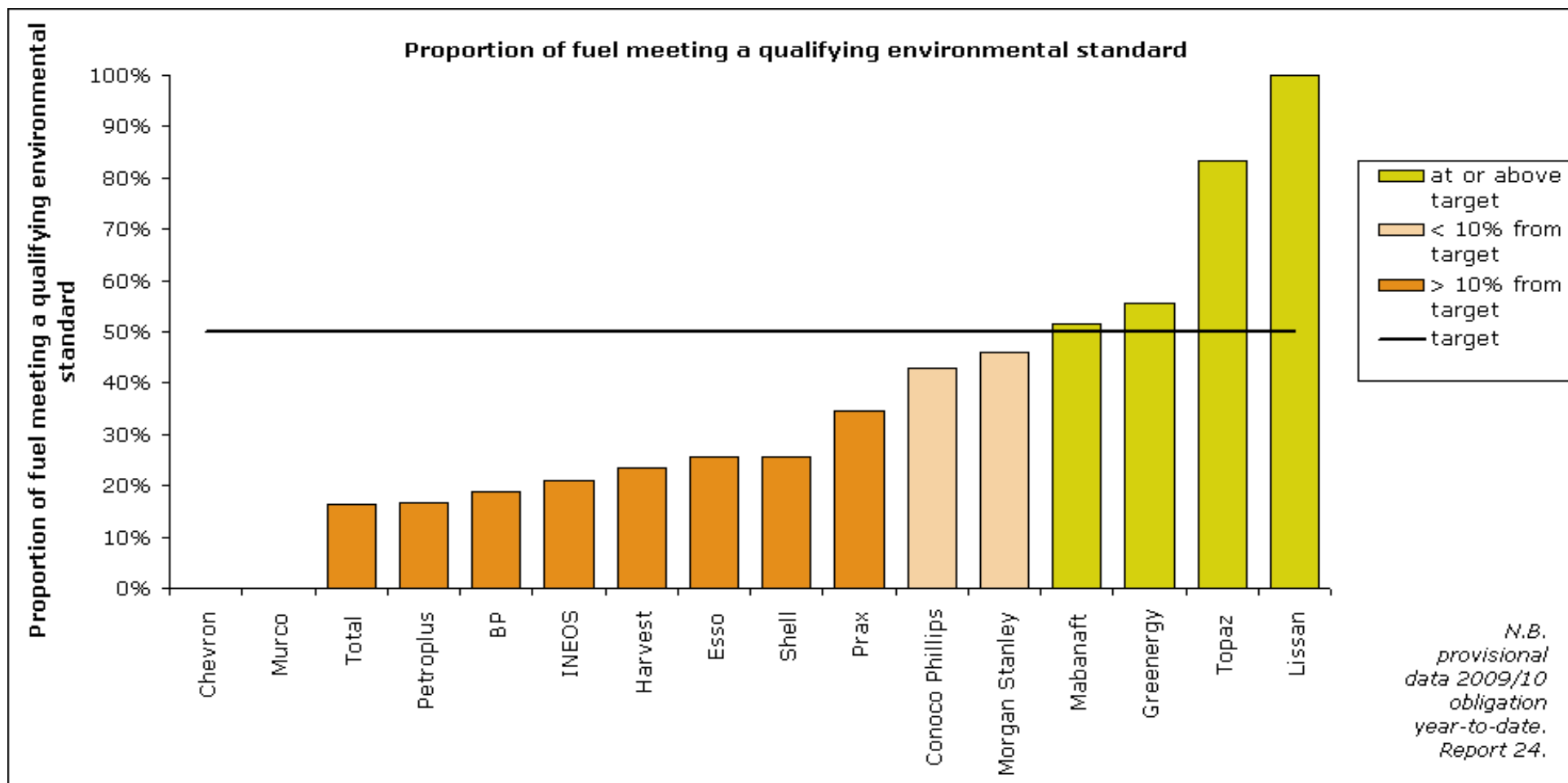
The data for the first 12 months comes from our verified fourth quarterly report. The data from the current obligation year is based on the provisional data as at the last date on which certificates were awarded.

Fuel suppliers are encouraged to revise their data where they are able to provide more accurate information later in the year - for instance, adding information if they found out the previous land use of a biofuel plantation, or removing information if they had reason to believe that a sustainability standard might have been incorrectly reported. These data may not therefore correspond exactly to the data in previous RFA reports. All data from suppliers supplying over 450,000 litres is subject to final verification at the end of the year.

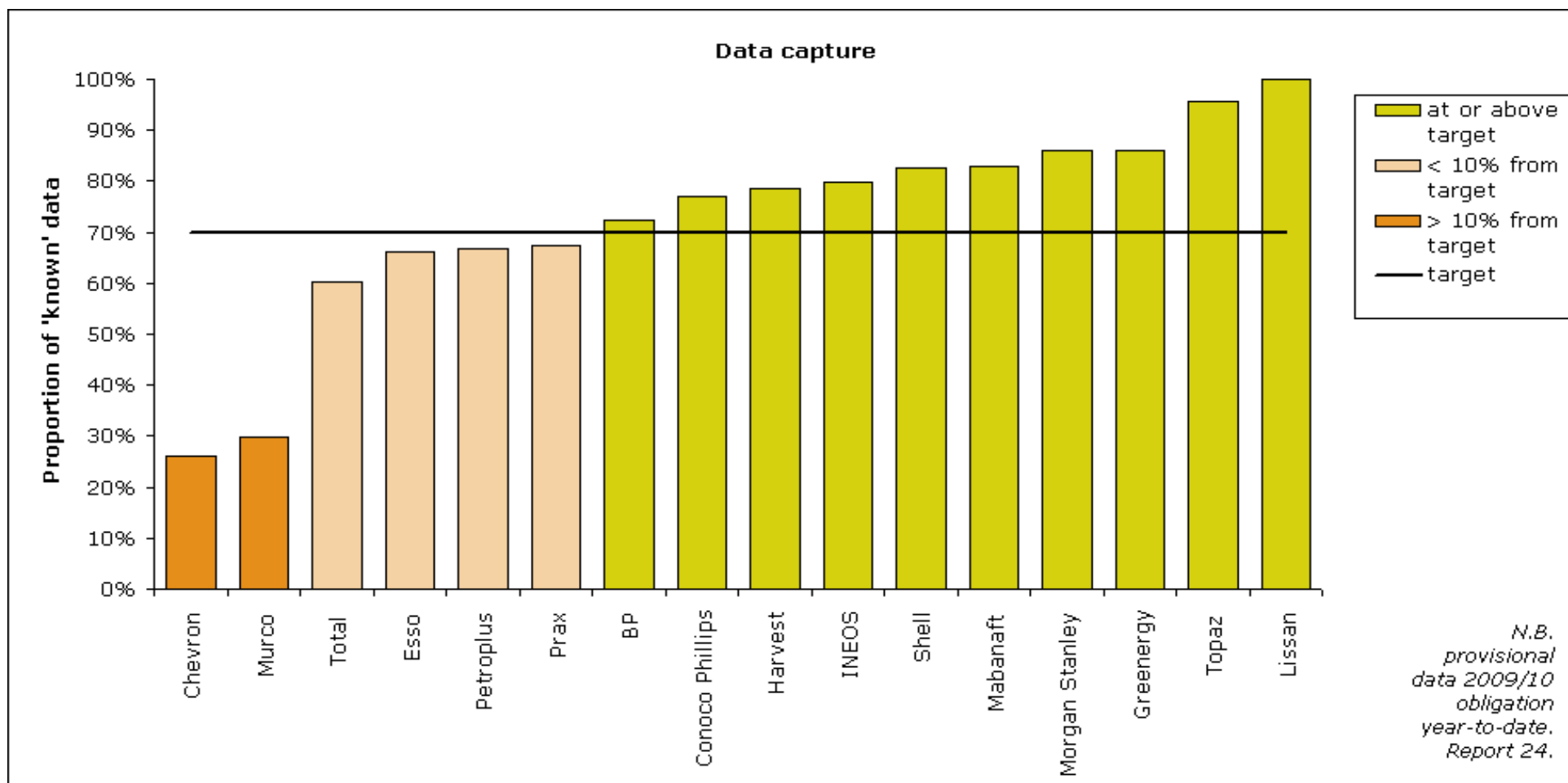
Obligated company performance against the RTFO's targets



Obligated company performance against the RTFO's targets



**Obligated company performance against
the RTFO's targets**



Refer to the notes and glossary for further information about terms in the darker shaded boxes

Table 1: Performance of the RTFO against the three carbon and sustainability targets set by the Government in 2007.

Annual Supplier Target	2009/10 Obligation period		2008/09 Obligation period	
	Target	Actual	Target	Actual
Percentage of feedstock meeting a Qualifying Environmental Standard	50%	33%	30%	20%
Annual GHG saving of fuel supplied	45%	51%	40%	46%
Data reporting of renewable fuel characteristics	70%	72%	50%	64%

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

		Volume, million l, or million kg*	Fuel type	Volume, million l	Biofuels as a proportion of total road transport fuels supplied
Fuel type	Biodiesel	1,113.2	Diesel	24,369	4.37%
	Bioethanol	455.1	Petrol	21,215	2.10%
	Biogas	0.2			
	Total	1,568.4		45,584	3.33%
	Annual target				3.25%

* Biodiesel and bioethanol volumes are reported in litres and biogas volumes are reported in kilograms.

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

		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, (0-5)
					RTFO	Qualifying Standards	Other standards	None/unknown	RTFO	Qualifying Standards	Other standards	None/unknown			
Fuel type	Biodiesel	1,113,155,246	1,113.2	71%	2%	26%	7%	66%	0%	25%	9%	66%	47	46%	2.2
	Bioethanol	455,081,450	455.1	29%	14%	1%	0%	85%	0%	1%	14%	85%	32	63%	3.3
	Biogas	195,797	0.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	27	69%	5.0
	Total Mean	1,568,432,493	1,568.4	100%	5%	18%	5%	71%	0%	18%	10%	72%	42	51%	2.5

Refer to the notes and glossary for further information about terms in the darker shaded boxes

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

		Volume, l	Volume, million l	Volume, %	Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving, %	Accuracy level, (0-5)
					RTFO	Qualifying Standards	Other standards	None/ unknown	RTFO	Qualifying Standards	Other standards	None/ unknown			
Feedstock	Corn Oil Methyl Ester	93,418	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	18	79%	2.0
	Oilseed rape	225,716,818	225.7	20%	10%	1%	32%	57%	0%	0%	42%	58%	58	33%	2.2
	Palm	106,224,265	106.2	10%	0%	31%	0%	69%	0%	31%	0%	69%	46	46%	2.4
	Soy	454,002,647	454.0	41%	0%	4%	0%	96%	0%	4%	0%	96%	49	43%	2.3
	Sunflower	202,455	0.2	0%	0%	0%	0%	100%	0%	0%	0%	100%	62	28%	2.0
	Tallow	185,805,587	185.8	17%	0%	100%	0%	0%	0%	100%	0%	0%	16	82%	2.7
	Used Cooking Oil	47,555,359	47.6	4%	0%	99%	0%	1%	0%	99%	0%	1%	13	85%	2.5
	Unknown	93,554,697	93.6	8%	0%	0%	0%	100%	0%	0%	0%	100%	88	-2%	0.0
	Total Mean	1,113,155,246	1,113.2	100%	2%	26%	7%	66%	0%	25%	9%	66%	47	46%	2.2
Country of origin	Argentina	315,264,371	315.3	28%	0%	4%	0%	96%	0%	4%	0%	96%	48	45%	2.0
	Austria	305,108	0.3	0%	0%	0%	0%	100%	0%	0%	0%	100%	13	85%	2.0
	Belgium	4,320,568	4.3	0%	0%	16%	0%	84%	0%	16%	0%	84%	80	8%	2.0
	Brazil	922,823	0.9	0%	0%	0%	59%	41%	0%	0%	59%	41%	78	10%	2.0
	Canada	15,886,244	15.9	1%	0%	89%	0%	11%	0%	89%	0%	11%	21	75%	2.0
	Chile	217,142	0.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0
	Denmark	29,739,322	29.7	3%	0%	90%	0%	10%	0%	90%	0%	10%	20	76%	2.0
	Finland	234,170	0.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	2.0
	France	37,192,624	37.2	3%	0%	8%	21%	71%	0%	8%	21%	71%	43	50%	2.1
	Germany	121,597,730	121.6	11%	3%	15%	48%	34%	0%	15%	48%	37%	43	50%	2.0
	Hungary	22,883	0.0	0%	0%	0%	0%	100%	0%	0%	0%	100%	93	-8%	2.0
	Indonesia	25,789,214	25.8	2%	0%	17%	0%	83%	0%	17%	0%	83%	47	46%	2.0
	Ireland, Republic of	5,349,351	5.3	0%	0%	99%	0%	1%	0%	99%	0%	1%	14	84%	2.1
	Italy	457,655	0.5	0%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	1.6
	Latvia	2,490,135	2.5	0%	0%	0%	0%	100%	0%	0%	0%	100%	93	-8%	1.9
	Malaysia	68,999,800	69.0	6%	0%	41%	0%	59%	0%	41%	0%	59%	46	47%	2.7
	Netherlands	8,105,314	8.1	1%	0%	40%	0%	60%	0%	40%	0%	60%	33	61%	2.0
	Poland	3,024,833	3.0	0%	0%	60%	0%	40%	0%	60%	0%	40%	28	67%	2.0
	Sweden	1,882,030	1.9	0%	0%	0%	0%	100%	0%	0%	0%	100%	92	-6%	1.9
	Switzerland	1,027,087	1.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	16	82%	2.0
	Ukraine	9,302,330	9.3	1%	0%	0%	72%	28%	0%	0%	72%	28%	60	31%	2.0
	United Kingdom	96,698,616	96.7	9%	20%	79%	0%	2%	0%	76%	22%	2%	22	74%	3.3
	United States	189,101,244	189.1	17%	0%	36%	0%	64%	0%	36%	0%	64%	39	55%	3.3
	Unknown	175,224,652	175.2	16%	0%	11%	0%	89%	0%	11%	0%	89%	77	11%	0.5
	Total Mean	1,113,155,246	1,113.2	100%	2%	26%	7%	66%	0%	25%	9%	66%	47	46%	2.2
Previous land-use	By-product	233,444,611	233.4	21%	0%	100%	0%	0%	0%	100%	0%	0%	15	83%	2.6
	Cropland	480,704,192	480.7	43%	4%	11%	12%	73%	0%	10%	16%	74%	49	43%	2.5
	Unknown	399,006,443	399.0	36%	1%	0%	4%	95%	0%	0%	5%	95%	63	27%	1.5
	Total Mean	1,113,155,246	1,113.2	100%	2%	26%	7%	66%	0%	25%	9%	66%	47	46%	2.2

Refer to the notes and glossary for further information about terms in the darker shaded boxes

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

		Volume, l	Volume, million l	Volume, %	Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving, %	Accuracy level, (0-5)
					RTFO	Qualifying Standards	Other standards	None/ unknown	RTFO	Qualifying Standards	Other standards	None/ unknown			
Feedstock	Barley	297,631	0.3	0%	0%	0%	0%	100%	0%	0%	0%	100%	106	-25%	1.3
	Cassava	58,621	0.1	0%	0%	0%	0%	100%	0%	0%	0%	100%	115	-36%	0.0
	Corn	13,711,819	13.7	3%	0%	0%	0%	100%	0%	0%	0%	100%	50	41%	3.4
	Molasses	4,925,813	4.9	1%	0%	100%	0%	0%	0%	100%	0%	0%	49	42%	1.9
	Sugar beet	75,932,776	75.9	17%	82%	0%	0%	18%	0%	0%	82%	18%	22	74%	4.0
	Sugar cane	305,004,907	305.0	67%	- *	- *	- *	- *	- *	- *	- *	- *	24	71%	3.4
	Sulphite	642,342	0.6	0%	0%	100%	0%	0%	0%	100%	0%	0%	6	93%	2.0
	Triticale	788,749	0.8	0%	0%	0%	0%	100%	0%	0%	0%	100%	115	-36%	1.6
	Wheat	39,515,583	39.5	9%	0%	0%	0%	100%	0%	0%	0%	100%	64	24%	2.3
	Unknown	14,203,209	14.2	3%	0%	0%	0%	100%	0%	0%	0%	100%	115	-35%	0.8
Total Mean		455,081,450	455.1	100%		14%	1%	0%	85%	0%	1%	14%	1	3154%	0.6
Country of origin	Belgium	6,319,604	6.3	1%	0%	0%	0%	100%	0%	0%	0%	100%	60	29%	2.0
	Brazil	307,478,949	307.5	68%	- *	- *	- *	- *	- *	- *	- *	- *	25	71%	3.4
	Cambodia	58,621	0.1	0%	0%	0%	0%	100%	0%	0%	0%	100%	115	-36%	0.0
	Costa Rica	1,380,294	1.4	0%	0%	100%	0%	0%	0%	100%	0%	0%	40	53%	1.0
	France	58,371,207	58.4	13%	0%	0%	0%	100%	0%	0%	0%	100%	58	32%	2.5
	Guatemala	961,857	1.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	88	-4%	3.0
	Hungary	275,556	0.3	0%	0%	0%	0%	100%	0%	0%	0%	100%	108	-27%	2.0
	Lithuania	491,512	0.5	0%	0%	0%	0%	100%	0%	0%	0%	100%	115	-36%	2.0
	Nicaragua	267,327	0.3	0%	0%	100%	0%	0%	0%	100%	0%	0%	40	53%	1.0
	Pakistan	434,409	0.4	0%	0%	0%	0%	100%	0%	0%	0%	100%	115	-36%	1.0
	Spain	375,470	0.4	0%	0%	0%	0%	100%	0%	0%	0%	100%	107	-27%	2.0
	Sweden	642,342	0.6	0%	0%	100%	0%	0%	0%	100%	0%	0%	6	93%	2.0
	United Kingdom	63,918,255	63.9	14%	98%	0%	0%	2%	0%	0%	98%	2%	17	80%	4.3
	Unknown	14,106,047	14.1	3%	0%	0%	0%	100%	0%	0%	0%	100%	115	-35%	0.8
Total Mean		455,081,450	455.1	100%		14%	1%	0%	85%	0%	1%	14%	1	3154%	0.6
Previous land-use	By-product	3,920,534	3.9	1%	0%	100%	0%	0%	0%	100%	0%	0%	46	46%	2.2
	Cropland	396,160,156	396.2	87%	16%	0%	0%	84%	0%	0%	16%	84%	28	67%	3.4
	Unknown	55,000,760	55.0	12%	0%	0%	0%	100%	0%	0%	0%	100%	55	35%	2.1
	Total Mean	455,081,450	455.1	100%	14%	1%	0%	85%	0%	1%	14%	85%	32	63%	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.

Table 6: Carbon and sustainability data of biogas from different feedstocks, countries, and according to the previous land-use.

		Volume, kg	Volume, 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, (0-5)
					RTFO	Qualifying Standards	Other standards	None/ unknown	RTFO	Qualifying Standards	Other standards	None/ unknown			
Feedstock	MSW	195,797	0.2	100%	0%	100%	0%	0%	0%	100%	0%	0%	27	69%	5.0
Country of origin	United Kingdom	195,797	0.2	100%	0%	100%	0%	0%	0%	100%	0%	0%	27	69%	5.0
Previous land-use	By-product	195,797	0.2	100%	0%	100%	0%	0%	0%	100%	0%	0%	27	69%	5.0

Refer to the notes and glossary for further information about terms in the darker shaded boxes

Table 7: Carbon and sustainability data for biofuels by fuel type, feedstock, country of origin and previous land-use.

Fuel 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, (0-5)
								RTFO	Qualifying Standards	Other standards	None/unknown	RTFO	Qualifying Standards	Other standards	None/unknown			
Fuel Type	Biodiesel	Corn oil	United States	By-product	93,418	0.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	18	79%	2.0
		Oilseed rape	Belgium	Cropland	3,588,459	3.6	0%	0%	0%	0%	100%	0%	0%	0%	100%	93	-8%	2.0
			Unknown	Unknown	21,039	0.0	0%	0%	0%	0%	100%	0%	0%	0%	100%	65	24%	2.0
			Canada	Cropland	1,752,875	1.8	0%	0%	0%	0%	100%	0%	0%	0%	100%	56	35%	2.0
			Denmark	Cropland	2,341,403	2.3	0%	0%	0%	0%	100%	0%	0%	0%	100%	82	5%	2.5
			Unknown	Unknown	537,143	0.5	0%	0%	0%	0%	100%	0%	0%	0%	100%	78	10%	2.5
			France	Cropland	21,178,441	21.2	1%	0%	0%	0%	100%	0%	0%	0%	100%	46	47%	2.1
			Unknown	Unknown	12,591,024	12.6	1%	0%	0%	61%	39%	0%	0%	61%	39%	46	47%	2.0
			Germany	Cropland	88,641,865	88.6	6%	4%	0%	66%	30%	0%	0%	66%	34%	48	44%	2.0
			Unknown	Unknown	15,116,400	15.1	1%	0%	0%	0%	100%	0%	0%	0%	100%	48	44%	2.0
			Hungary	Cropland	22,883	0.0	0%	0%	0%	0%	100%	0%	0%	0%	100%	93	-8%	2.0
			Latvia	Cropland	1,823,560	1.8	0%	0%	0%	0%	100%	0%	0%	0%	100%	93	-8%	2.0
			Unknown	Unknown	666,575	0.7	0%	0%	0%	0%	100%	0%	0%	0%	100%	93	-8%	1.8
			Netherlands	Cropland	4,432,033	4.4	0%	0%	0%	0%	100%	0%	0%	0%	100%	45	47%	2.0
			Unknown	Unknown	470,390	0.5	0%	0%	0%	0%	100%	0%	0%	0%	100%	49	43%	2.0
			Poland	Cropland	228,828	0.2	0%	0%	0%	0%	100%	0%	0%	0%	100%	45	48%	2.0
			Unknown	Unknown	992,142	1.0	0%	0%	0%	0%	100%	0%	0%	0%	100%	45	48%	2.0
			Sweden	Cropland	1,882,030	1.9	0%	0%	0%	0%	100%	0%	0%	0%	100%	92	-6%	1.9
			Ukraine	Unknown	9,099,875	9.1	1%	0%	0%	74%	26%	0%	0%	74%	26%	60	31%	2.0
			United Kingdom	Cropland	18,604,879	18.6	1%	86%	12%	0%	3%	0%	0%	97%	3%	53	39%	4.6
			Unknown	Unknown	4,320,457	4.3	0%	71%	0%	0%	29%	0%	0%	71%	29%	53	39%	4.5
			United States	Cropland	6,789,822	6.8	0%	0%	0%	0%	100%	0%	0%	0%	100%	93	-8%	2.0
			Unknown	Unknown	2,190,616	2.2	0%	0%	0%	0%	100%	0%	0%	0%	100%	93	-8%	2.0
			Unknown	Cropland	929,678	0.9	0%	0%	0%	0%	100%	0%	0%	0%	100%	60	31%	1.7
			Unknown	Unknown	27,494,401	27.5	2%	0%	0%	0%	100%	0%	0%	0%	100%	93	-8%	1.0
		Palm	France	Cropland	354,527	0.4	0%	0%	0%	0%	100%	0%	0%	0%	100%	47	46%	3.0
			Indonesia	Cropland	17,546,722	17.5	1%	0%	24%	0%	76%	0%	24%	0%	76%	47	46%	2.0
			Unknown	Unknown	8,242,492	8.2	1%	0%	3%	0%	97%	0%	3%	0%	97%	47	46%	2.0
			Malaysia	Cropland	50,562,523	50.6	3%	0%	56%	0%	44%	0%	56%	0%	44%	46	47%	2.5
			Unknown	Unknown	18,437,277	18.4	1%	0%	0%	0%	100%	0%	0%	0%	100%	47	46%	2.7
		Soy	United States	Cropland	1,155,763	1.2	0%	0%	0%	0%	100%	0%	0%	0%	100%	47	46%	3.0
			Unknown	Unknown	9,924,961	9.9	1%	0%	0%	0%	100%	0%	0%	0%	100%	47	46%	1.0
			Argentina	Cropland	157,981,353	158.0	10%	0%	9%	0%	91%	0%	9%	0%	91%	48	45%	2.1
			Unknown	Unknown	157,283,018	157.3	10%	0%	0%	0%	100%	0%	0%	0%	100%	48	44%	2.0
			Brazil	Cropland	315,316	0.3	0%	0%	0%	0%	100%	0%	0%	0%	100%	78	10%	2.0
			Unknown	Unknown	607,507	0.6	0%	0%	0%	89%	11%	0%	0%	89%	11%	78	10%	2.0
		Sunflower	United States	Cropland	100,368,777	100.4	6%	0%	3%	0%	97%	0%	3%	0%	97%	47	46%	3.4
			Unknown	Unknown	13,831,187	13.8	1%	0%	0%	0%	100%	0%	0%	0%	100%	50	42%	3.4
			Unknown	Unknown	23,615,489	23.6	2%	0%	0%	0%	100%	0%	0%	0%	100%	78	10%	1.0
			Ukraine	Cropland	202,455	0.2	0%	0%	0%	0%	100%	0%	0%	0%	100%	62	28%	2.0
			Belgium	By-product	31,522	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	2.0
		Tallow	Canada	By-product	14,133,369	14.1	1%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	2.0
			Denmark	By-product	26,860,776	26.9	2%	0%	100%	0%	0%	0%	100%	0%	0%	14	84%	2.0
			Finland	By-product	234,170	0.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	2.0
			France	By-product	2,274,437	2.3	0%	0%	100%	0%	0%	0%	100%	0%	0%	15	83%	2.0
			Germany	By-product	14,760,655	14.8	1%	0%	100%	0%	0%	0%	100%	0%	0%	15	83%	2.1
			Ireland	By-product	5,008,893	5.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	83%	2.0
			Italy	By-product	457,655	0.5	0%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	1.6
			Netherlands	By-product	1,122,764	1.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	2.0
			Poland	By-product	1,803,863	1.8	0%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	2.0
			Switzerland	By-product	721,980	0.7	0%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	2.0
			United Kingdom	By-product	39,425,029	39.4	3%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	3.0
			United States	By-product	65,827,424	65.8	4%	0%	100%	0%	0%	0%	100%	0%	0%	18	80%	3.4
			Unknown	By-product	13,143,050	13.1	1%	0%	100%	0%	0%	0%	100%	0%	0%	17	80%	1.0
		UCO	Austria	By-product	305,108	0.3	0%	0%	0%	0%	100%	0%	0%	0%	100%	13	85%	2.0
			Belgium	By-product	679,548	0.7	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0
			Chile	By-product	217,142	0.2	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0
			France	By-product	794,195	0.8	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0
			Germany	By-product	3,078,810	3.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	84%	2.0
			Ireland	By-product	340,458	0.3	0%	0%	84%	0%	16%	0%	84%	0%	16%	13	85%	4.0
			Netherlands	By-product	2,080,127	2.1	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0
			Switzerland	By-product	305,107	0.3	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0
			United Kingdom	By-product	34,338,498	34.3	2%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.9
			Unknown	Unknown	9,753	0.0	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0
		Unknown	Unknown	Unknown	5,406,613	5.4	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	1.0
		Unknown	Unknown	Unknown	93,554,697	93.6	6%	0%	0%	0%	100%	0%	0%	0%	100%	88	-2%	0.0

Refer to the notes and glossary for further information about terms in the darker shaded boxes

Table 7: Carbon and sustainability data for biofuels by fuel type, feedstock, country of origin and previous land-use.

							Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO ₂ e)/MJ	Greenhouse gas saving, %	Accuracy level, (0-5)			
		Feedstock	Country of origin	Previous land-use	Volume, l or kg	Volume, million l or million kg	Volume, %	RTFO	Qualifying Standards	Other standards	None/ unknown	RTFO	Qualifying Standards	Other standards	None/ unknown					
Fuel Type	Bioethanol	Barley	Spain	Cropland	99,914	0.1	0%	0%	0%	0%	100%	0%	0%	0%	100%	106	-25%	2.0		
			Unknown	Unknown	197,717	0.2	0%	0%	0%	0%	100%	0%	0%	0%	100%	106	-25%	1.0		
		Cassava	Cambodia	Unknown	58,621	0.1	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	115	-36%	0.0	
		Corn	France	Cropland	8,255,188	8.3	1%	0%	0%	0%	0%	100%	0%	0%	0%	100%	46	46%	4.3	
				Unknown	4,905,519	4.9	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	49	42%	2.0	
				Hungary	Cropland	275,556	0.3	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	108	-27%	2.0
		Spain		Cropland	275,556	0.3	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	108	-27%	2.0	
			Brazil	By-product	2,316,335	2.3	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	40	53%	2.0	
			Costa Rica	Cropland	1,380,294	1.4	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	40	53%	1.0	
		Molasses	Guatemala	By-product	961,857	1.0	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	88	-4%	3.0	
			Nicaragua	Cropland	267,327	0.3	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	40	53%	1.0	
			Belgium	Cropland	645,231	0.6	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	50	41%	2.0	
		Sugar beet	France	Cropland	12,312,189	12.3	1%	0%	0%	0%	0%	100%	0%	0%	0%	100%	50	41%	2.0	
			United Kingdom	Cropland	62,540,281	62.5	4%	100%	0%	0%	0%	0%	100%	0%	100%	0%	16	81%	4.4	
				Unknown	435,075	0.4	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	50	41%	2.0	
		Sugar cane	Brazil	Cropland	275,425,214	275.4	18%	- *	- *	- *	- *	- *	- *	- *	- *	- *	24	71%	3.4	
			Unknown	29,579,693	29.6	2%	- *	- *	- *	- *	- *	- *	- *	- *	- *	25	71%	2.8		
		Sulphite	Sweden	By-product	642,342	0.6	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	6	93%	2.0
		Triticale	Lithuania	Unknown	491,512	0.5	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	115	-36%	2.0
			Unknown	297,237	0.3	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	115	-36%	1.0
Wheat	Belgium	Cropland	1,095,990	1.1	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	61	28%	2.0		
		Unknown	4,578,383	4.6	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	61	28%	2.0		
	France	Cropland	32,644,517	32.6	2%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	65	23%	2.3		
		Unknown	253,794	0.3	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	65	23%	2.0		
	United Kingdom	Cropland	942,899	0.9	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	61	28%	2.0		
	Brazil	Unknown	157,707	0.2	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	115	-36%	0.0		
Unknown	Pakistan	Unknown	434,409	0.4	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	115	-36%	1.0		
	Unknown	Unknown	13,611,093	13.6	1%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	115	-35%	0.8		
Biogas	MSW	United Kingdom	By-product	195,797	0.2	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	27	69%	5.0		
Total Mean					1,568,432,493	1,568.4	100%	5%	18%	5%	71%	0%	18%	10%	72%	42	51%	2.5		

* 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.

Refer to the notes and glossary for further information about terms in the darker shaded boxes

Table 8: Company performance against the RTFO targets and carbon and sustainability criteria

	Company	Proportion in each previous land-use category						Proportion meeting an environmental standard				Proportion meeting a social standard				Carbon intensity, g(CO _{2e})/MJ	Greenhouse gas saving, %	Accuracy level, (0-5)	Data capture, %
		unknown	byproduct	cropland	grassland ag. use	grassland non ag. use	forestland	RTFO	Qualifying Standards	Other standards	None/ unknown	RTFO	Qualifying Standards	Other standards	None/ unknown				
Obligated companies	BP Oil UK Ltd	27%	10%	63%	0%	0%	0%	6%	12%	0%	81%	0%	12%	6%	81%	50	42%	2.1	72%
	Chevron Ltd	80%	0%	20%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	76	12%	0.8	26%
	ConocoPhillips Ltd	17%	9%	74%	0%	0%	0%	20%	23%	4%	54%	11%	20%	16%	54%	51	40%	2.8	77%
	Esso Petroleum Company Ltd	59%	9%	32%	0%	0%	0%	15%	10%	9%	66%	0%	10%	24%	66%	44	49%	2.3	66%
	Greenenergy Fuels Ltd	10%	18%	72%	0%	0%	0%	36%	20%	0%	45%	32%	25%	0%	42%	29	66%	3.7	86%
	Harvest Energy Ltd	6%	16%	78%	0%	0%	0%	0%	23%	0%	77%	0%	23%	0%	77%	33	62%	2.1	79%
	Ineos Europe Ltd	0%	21%	79%	0%	0%	0%	0%	21%	0%	79%	0%	21%	0%	79%	41	53%	2.0	80%
	Lissan Coal Company Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Mabanaft UK Ltd	13%	23%	64%	0%	0%	0%	28%	23%	0%	48%	0%	23%	28%	48%	33	61%	2.6	83%
	Morgan Stanley Capital Group Inc.	1%	21%	78%	0%	0%	0%	0%	46%	0%	54%	0%	46%	0%	54%	43	50%	2.0	86%
	Murco Petroleum Ltd	69%	0%	31%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	67	22%	0.9	30%
	Petropius Refining Teesside Ltd	38%	17%	45%	0%	0%	0%	0%	17%	0%	83%	0%	17%	0%	83%	41	52%	2.3	67%
	Prax Petroleum Ltd	65%	35%	0%	0%	0%	0%	0%	35%	0%	65%	0%	35%	0%	65%	37	58%	3.0	67%
	Shell UK Ltd	15%	20%	66%	0%	0%	0%	4%	22%	33%	41%	4%	22%	33%	41%	46	46%	1.9	83%
	Topaz Energy Ltd	0%	100%	0%	0%	0%	0%	0%	83%	0%	17%	0%	83%	0%	17%	13	85%	3.9	96%
	Total UK Ltd	55%	14%	31%	0%	0%	0%	2%	14%	4%	79%	0%	14%	7%	79%	54	37%	2.2	60%
	Argent Energy (UK) Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	14	84%	5.0	100%
Non-obligated companies	Associated British Bio-Fuels Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	26	69%	2.4	100%
	Bio UK Fuels (Sheffield) Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Biofuel Refineries Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	12	86%	3.9	100%
	Biomotive Fuels Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	10	89%	2.9	100%
	British Sugar Plc	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	15	82%	4.6	100%
	Business Bio Fuels Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Convert2Green Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Doncaster Bio Fuels	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Double Green Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	5.0	100%
	Ebony Solutions Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Edible Oil Direct Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.3	100%
	Four Rivers Biofuels Ltd	10%	90%	0%	0%	0%	0%	0%	90%	0%	10%	0%	90%	0%	10%	20	77%	2.0	95%
	Gasrec Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	27	69%	5.0	100%
	Greenearth Biodiesel	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Goldenfuels Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Green Fuels Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	GreenerDiesel.com (UK) Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	GreenFuel Supply Solutions Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	32	63%	3.0	100%
	Greenolysis Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Kassero Edible Oils Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	MFS Fuel Supplies Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Neal Environmental Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	3.0	100%
	Ozone Friendly Fuels Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Phoenix Fuels Ltd	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	21	76%	5.0	100%
	Pilkington Oils Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	3.0	100%
	PRS Environmental	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	12	86%	2.0	100%
	Pure Fuels Ltd	7%	93%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	96%
	Rix Biodiesel Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Rural Development Trust	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Shepherds Bakery Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	UK Renewable Fuels Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%
	Uptown Oil Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.2	100%
	Veg Oil Motoring	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	1	99%	2.0	100%
	Verdant Fuel Ltd	0%	20%	80%	0%	0%	0%	80%	20%	0%	0%	0%	20%	80%	0%	29	66%	4.4	96%
	Wight Made Diesel Ltd	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	13	85%	2.0	100%

Table 9: Number of RTFO targets met or exceeded by obligated companies.¹

Number of targets met (year to date) ²	Obligated company	Number of targets met (previous quarterly report) ²	Change from previous quarterly report	Number of targets met (previous RTFO year - based on verified data) ⁴	Change from RTFO Year 1 ⁴
3	Greenergy Fuels Ltd	3	▪	3	▪
	Lissan Coal Company Ltd	3	▪	3	▪
	Mabanaft UK Ltd	3	▪	3	▪
	Topaz Energy Ltd	3	▪	0	↑
2	Harvest Energy Ltd	2	▪	2	▪
	Ineos Europe Ltd	2	▪	n/a	n/a
	Morgan Stanley Capital Group Inc ³	3	↓	0	↑
	Shell UK Ltd	2	▪	2	▪
1	BP Oil UK Ltd	1	▪	2	↓
	ConocoPhillips Ltd	0	↑	3	↓
	Esso Petroleum Company Ltd	1	▪	2	↓
	Petroplus Refining Teesside Ltd	1	▪	2	↓
	Prax Petroleum Ltd	2	↓	3	↓
0	Chevron Ltd	0	▪	1	↓
	Murco Petroleum Ltd	0	▪	1	↓
	Total UK Ltd	0	▪	1	↓

¹ Obligated companies supply >95% of the biofuels in the UK market.

² The RTFO targets in Year 2 are to have:

50% of biofuels meeting qualifying environmental standards;

GHG savings of 45%; and

70% data capture in four key sustainability fields (feedstocks, country of origin, previous land-use, standard).

³ In the previous reporting year, the fuel we reported in the name 'Ineos' (operator of the Grangemouth refinery) was owned by Morgan Stanley Capital Group at the duty point - making Morgan Stanley the legally obligated supplier, rather than Ineos itself. We reported on this fuel under the name 'Ineos' after consultation with the two companies. This year, to prevent any confusion arising from Ineos becoming an account holder in its own right, we are reporting on the fuel supplied under the Morgan Stanley Capital Group account in the name 'Morgan Stanley'. The fuel reported as 'Morgan Stanley' is thus directly associated for purposes of year-on-year comparison to the fuel reported as 'Ineos' in Year 1.

⁴ The RTFO targets in Year 1 (2008/09) were to have:

30% of biofuels meeting qualifying environmental standards;

GHG savings of 40%; and

50% data capture in four key sustainability fields (feedstocks, country of origin, previous land-use, standard).

Four companies did not provide limited assurance on their C&S data for Year 1 (as required by the RFA) - the targets claimed are highlighted in red.

Trading of RTFCs

RTFCs traded per quarter by type of account holder

Table 10: RTFCs traded from Obligation Year 2008/09

<i>Qtr</i>	<i>Quarter</i>	<i>From</i>	<i>To</i>	<i>RTFCs</i>	<i>%</i>
<i>Q2</i>	Jul 2008 - Oct 2008	Biofuel supplier	Fossil Fuel Supplier	2,791,602	2%
		Fossil fuel supplier	Fossil Fuel Supplier	11,347,500	7%
<i>Q3</i>	Oct 2008 - Jan 2009	Biofuel supplier	Fossil Fuel Supplier	809,000	0%
		Fossil fuel supplier	Fossil Fuel Supplier	17,538,750	11%
<i>Q4</i>	Jan 2009 - Apr 2009	Biofuel supplier	Bio Fuel Supplier	3,063,335	2%
			Fossil Fuel Supplier	1,883,310	1%
			Other	10,000	0%
		Fossil fuel supplier	Bio Fuel Supplier	1,175,000	1%
			Fossil Fuel Supplier	16,601,408	10%
			Other	10,000	0%
<i>Q5</i>	Apr 2009 - Jul 2009	Biofuel supplier	Bio Fuel Supplier	83,812	0%
			Fossil Fuel Supplier	830,000	0%
		Fossil fuel supplier	Fossil Fuel Supplier	75,625,694	45%
<i>Q6</i>	Jul 2009 - Oct 2009	Fossil fuel supplier	Fossil Fuel Supplier	32,395,869	19%
<i>Q7</i>	Oct 2009 - Jan 2010	Fossil Fuel Supplier	Fossil Fuel Supplier	1,779,869	1%
<i>Q8</i>	Oct 2009 - Jan 2010	Fossil Fuel Supplier	Fossil Fuel Supplier	482,516	0%
<i>Grand Total</i>				166,447,665	100%

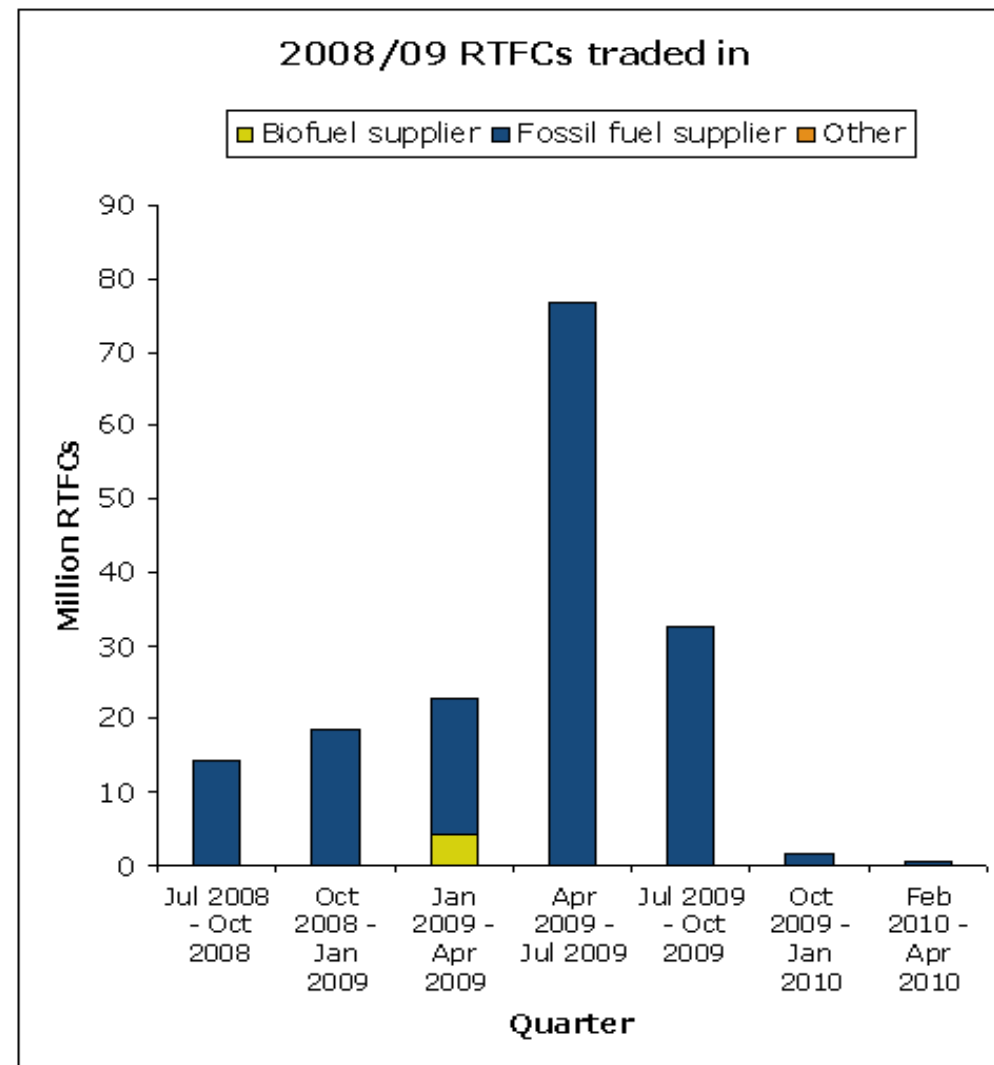
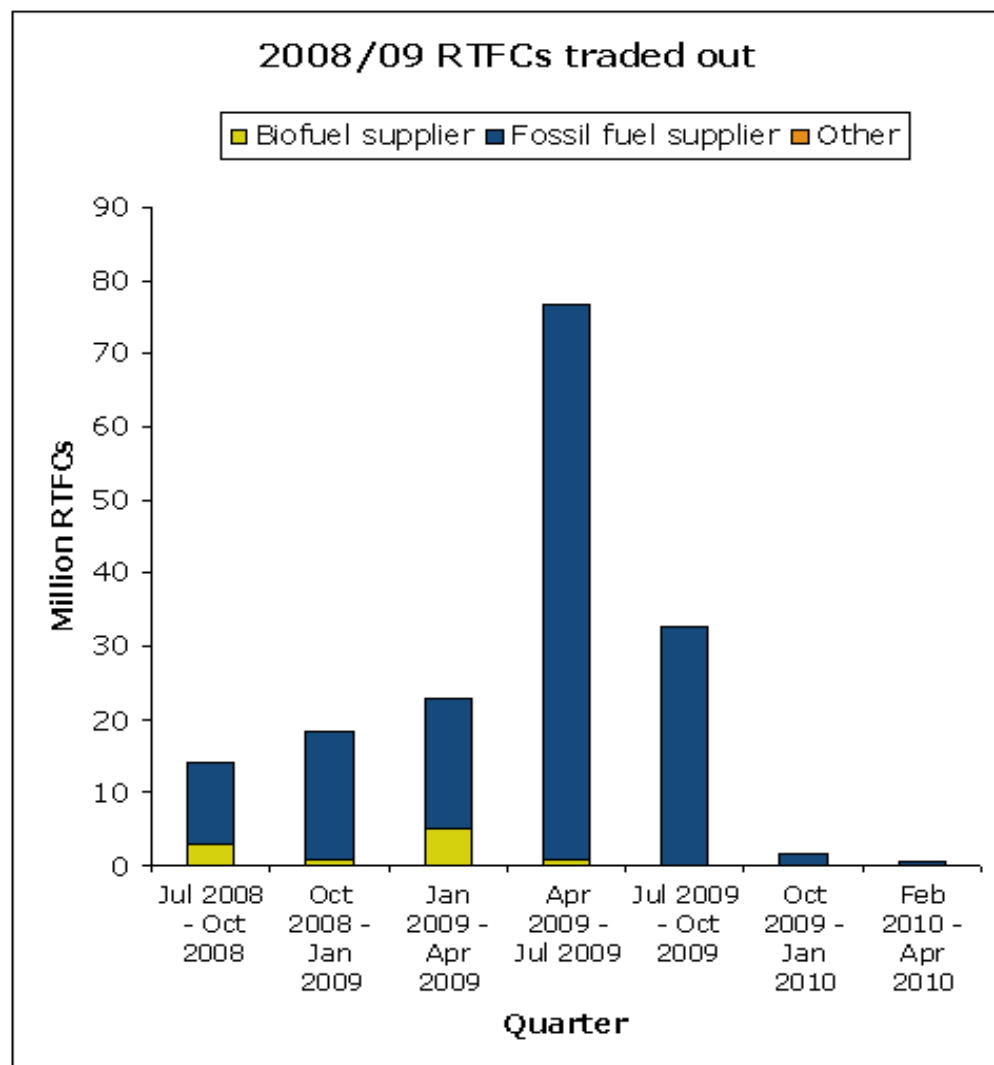
Trading of RTFCs

RTFCs traded per quarter by type of account holder

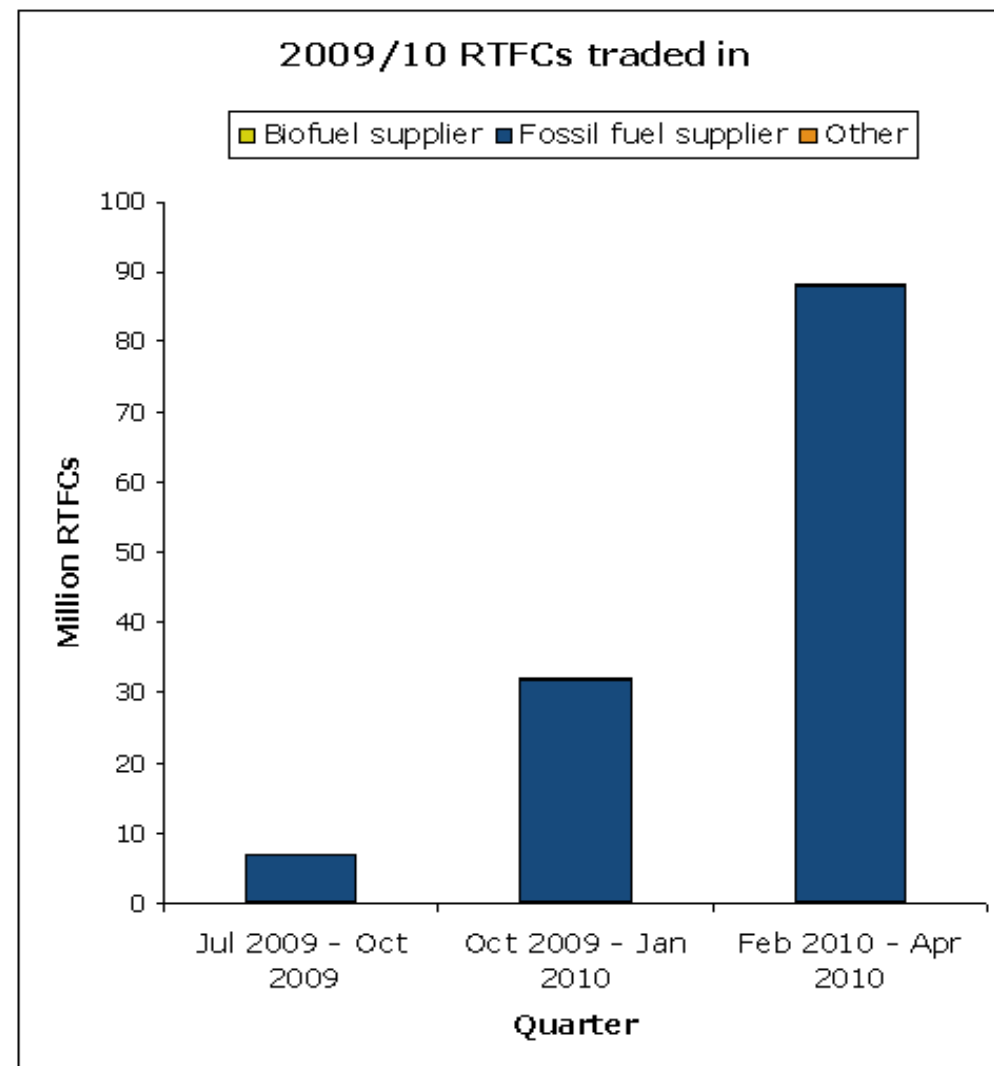
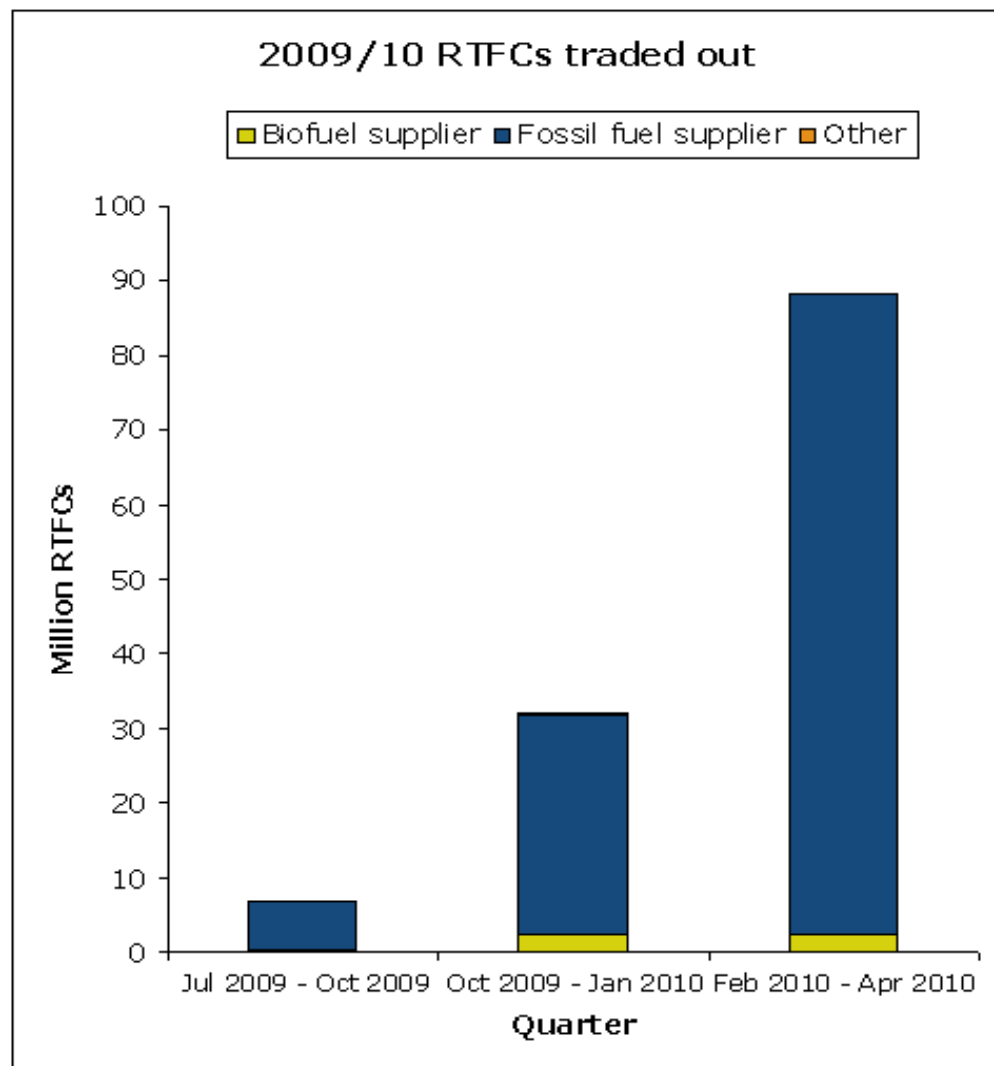
Table 11: RTFCs traded from Obligation Year 2009/10

Qtr	Quarter	From	To	RTFCs	%
Q6	Jul 2009 - Oct 2009	Biofuel supplier	Bio Fuel Supplier	309,980	0%
			Fossil Fuel Supplier	97,950	0%
		Fossil Fuel Supplier	Fossil Fuel Supplier	6,580,808	5%
Q7	Oct 2009 - Jan 2010	Biofuel supplier	Bio Fuel Supplier	295,010	0%
			Fossil Fuel Supplier	1,743,960	1%
			Other	388,179	0%
		Fossil Fuel Supplier	Fossil Fuel Supplier	29,383,440	23%
		Other	Fossil Fuel Supplier	388,179	0%
Q8	Oct 2009 - Jan 2010	Biofuel supplier	Bio Fuel Supplier	297,016	0%
			Fossil Fuel Supplier	2,143,955	2%
			Other	167,949	0%
		Fossil Fuel Supplier	Fossil Fuel Supplier	85,516,261	67%
		Other	Fossil Fuel Supplier	167,949	0%
Grand Total				127,480,636	100%

Trading of RTFCs

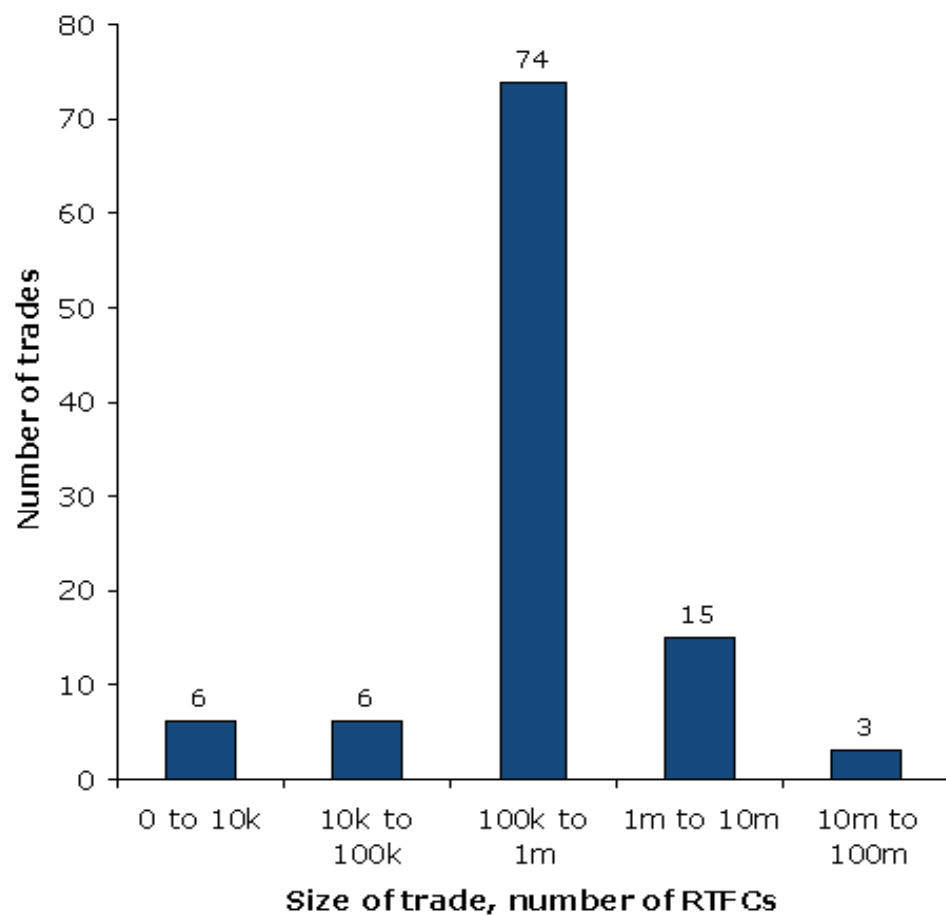


Trading of RTFCs

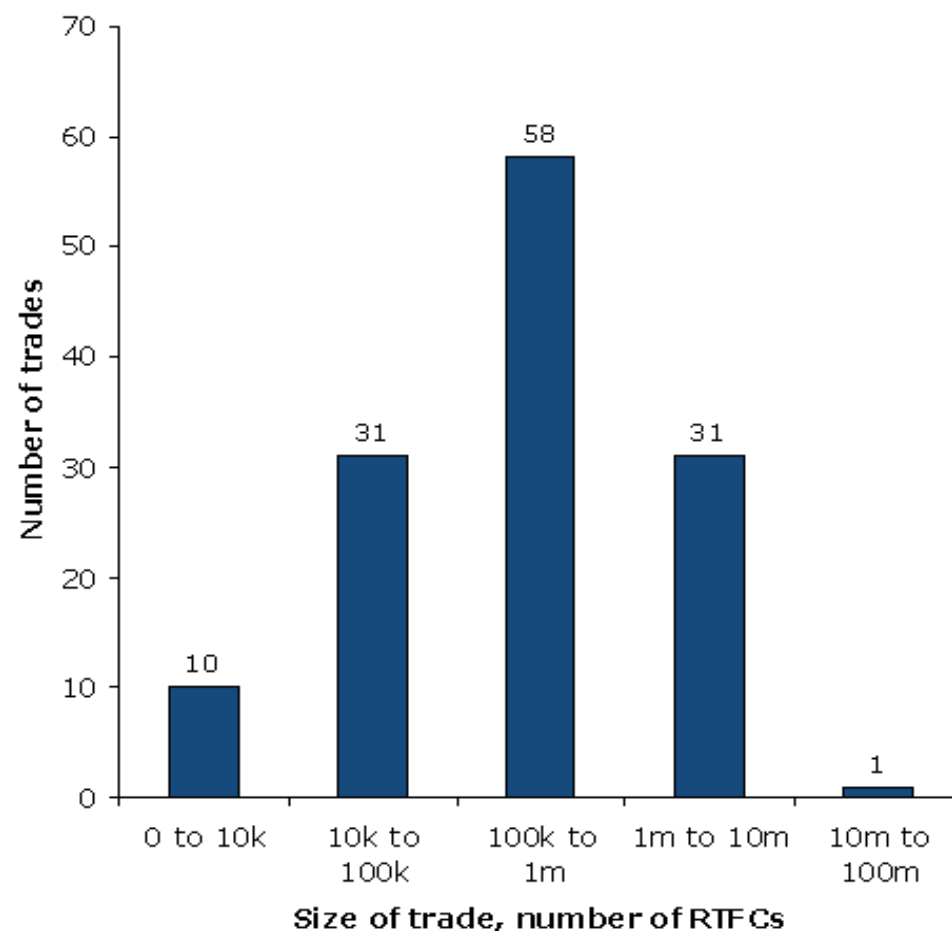


Trading of RTFCs

Size of RTFC trades - 2008/09 RTFCs



Size of RTFC trades - 2009/10 RTFCs



Introduction

To encourage the sourcing of sustainable biofuels, the RFA 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 includes mandatory sustainability requirements. The Department for Transport expects to transpose the directive into UK law by March 2011.

This report provides information on the carbon and sustainability performance of renewable fuels supplied under the RTFO. The data is 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 in the January following each obligation year.

The carbon and sustainability data covers the *direct* impacts arising from biofuel cultivation. The RFA 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).

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 all of the environmental principles and one meets 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 RFA. 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 RFA 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.

Content of RTFO reports

RTFO monthly reports include information on:

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

The monthly information is provided in four sets of Excel sheets:

RTFO graphs

Illustrates key data graphically and includes: volumes and proportions of fuel by fuel type, feedstock, and country of origin; data on the sustainability of the biofuels supplied; and percentage data capture for each category.

RTFO trends

Presents data on RTFO performance over time against the three RTFO targets.

RTFO summary data

Table 1 compares overall performance against the three C&S reporting targets set by the Government in 2007.

Tables 2 to 6 provide summaries of all the road transport biofuel supplied to the UK for each fuel type, feedstock, country of origin, and previous land-use.

RTFO detailed data

Table 7 provides more detailed data broken down by fuel type, feedstock, country of origin and previous land-use. So, for example, data is 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.

Notes on data

RTFO quarterly reports include additional information on:

- company performance against the Government's carbon and sustainability (C&S) reporting targets;
- trades of renewable transport fuel certificates (RTFCs) between companies.

The quarterly information is provided in three sets of Excel sheets:

Obligated company graphs

Presents data ranking obligated company performance against the C&S reporting targets.

Company data

Table 8 provides data on company C&S performance. Table 9 specifies how many of the C&S reporting targets each of the obligated companies are meeting.

RTFCs

Contains data on trades of certificates between companies over time.

C&S reporting targets

The Government set C&S targets for three key aspects of the reporting scheme. The targets are not mandatory (and there is no penalty for failing to meet them), but illustrate the level of performance which the RFA expects from fuel suppliers over the obligation year. The targets increase each year. The targets will be subject to review in the light of suppliers' performance and other developments.

Annual Supplier Target	2008-09	2009-10	2010-11
Percentage of feedstock meeting a Qualifying Environmental Standard	30%	50%	80%
Annual GHG saving of fuel supplied	40%	45%	50%
Data reporting of renewable fuel characteristics	50%	70%	90%

The RFA expects, and RTFO targets recognise the need for, continuous improvement so that by obligation period 3 (2010-11) comprehensive sustainability data is provided for almost all biofuels supplied to the UK.

Notes on data**Provisional data**

This data is based on information submitted monthly to the RFA 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 this data occurs annually (by 28 September each year in respect of the previous obligation year's data).

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

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.

Footnotes

¹. The second reporting or obligation year runs from 15 April 2009 to 14 April 2010. This report contains data from 15 April 2009 to 14 April 2010.

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

³. Recent 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 RSPO certified palm oil to meet the entire UK demand for palm oil biodiesel feedstock.

Glossary

Obligated company

- An obligated company is one that supplies > 450,000 litres/year of relevant hydrocarbon oil road transport fuel.
- Obligated companies supply > 95% 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.

Glossary

Previous land-use

- This is the use of the land on which the feedstock crop was grown prior to 30 Nov 2005.
There are five categories:
 1. unknown;
 2. cropland;
 3. grassland, agricultural use;
 4. grassland, non-agricultural use;
 5. forestland.
- 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.

Abbreviations for feedstocks & fuel type

Bl - barley
BG - biogas
Cs - cassava
Cn - corn
Co - corn oil
Mo - molasses
msw or mw - municipal solid waste
Sb - sugar beet
Sc - sugar cane
Sl - sulphite
Su - sunflower
Tr - triticale
UCO - used cooking oil
Wh - wheat
Un - unknown

Glossary

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.

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 5 where 5 is the highest:
 - 0 - unknown feedstock and country of origin
 - 1 - known feedstock or country of origin
 - 2 - known feedstock AND country of origin
 - 3 - data input based on RFA-defined defaults
 - 4 - data input based on industry-defined defaults
 - 5 - 'real' data input to the fuel chain e.g. information on fertiliser inputs and crop yield of the source feedstock.

Glossary

C&S reporting targets

The Government set C&S targets for three key aspects of the reporting scheme. The targets are not mandatory (and there is no penalty for failing to meet them), but illustrate the level of performance which the RFA expects from fuel suppliers over the obligation year. The targets increase each year. The targets will be subject to review in the light of suppliers' performance and other developments.

Annual Supplier Target	2008-09	2009-10	2010-11
Percentage of feedstock meeting a Qualifying Environmental Standard	30%	50%	80%
Annual GHG saving of fuel supplied	40%	45%	50%
Data reporting of renewable fuel characteristics	50%	70%	90%

- The data reporting of renewable fuel characteristics target refers to the amount of data provided by transport fuel suppliers as opposed to reporting 'unknown' against the four sustainability components:

1. biofuel feedstock
2. feedstock country of origin
3. sustainability standard
4. land-use on 30 November 2005.

- 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.