

Renewable Fuel Statistics, 2020

Fifth Provisional Tables

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Notes

These tables contain fuel that is obligated under the Renewable Transport Fuel Obligation Order.

Definitions

RTFCs Renewable Transport Fuel Certificates

Further information

For further details alongside these tables, see the:

[- Notes and definitions](#)

[- Report](#)

[- Guidance on the RTFO](#)

Department for Transport statistics

RTFO Statistics (<https://www.gov.uk/government/collections/renewable-fuel-statistics>)

Table RF 0101

Volumes of fuels by fuel type¹: United Kingdom, 2020

Provisional data

Data is for information received by the DfT as of 18/06/2021 and is provisional. The final report for 2020 will be published in Nov 2021.

Volume, million litres eq. ²																
		Supply periods ³												Percentage of total fuel supply		
		Jan	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec			Dec
Fuel Type		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Dec	Total*	
Fossil fuels	Diesel	940	2,405	2,267	1,488	1,154	1,560	1,846	2,135	2,123	2,148	2,165	2,075	1,026	23,333	54%
	Low sulphur gas oil	137	418	398	449	355	328	343	432	420	454	397	372	194	4,697	11%
	MTBE (fossil portion)	0	1	0	0	0	1	1	0	0	1	0	0	0	5	0%
	Petrol	580	1,296	1,277	732	407	867	979	1,174	1,182	1,225	1,090	942	572	12,322	29%
	Total	1,657	4,119	3,942	2,669	1,917	2,755	3,169	3,741	3,726	3,828	3,652	3,389	1,792	40,356	94%
Renewable fuels	Bio Petrol	-	3	4	4	6	3	-	0	3	3	4	3	5	37	0%
	Biodiesel HVO	1	2	2	4	5	4	3	3	2	7	4	1	1	38	0%
	Biodiesel ME	67	157	132	117	89	116	140	153	143	156	116	124	66	1,576	4%
	Bioethanol	29	64	59	36	19	36	45	52	50	50	50	44	28	563	1%
	Biopropane	-	-	-	16	-	-	0	-	-	25	-	-	10	51	0%
	Diesel (origin Bio)	6	5	18	1	2	1	-	0	1	1	1	0	2	38	0%
	Methanol (bio)	5	9	6	4	4	4	0	0	0	4	3	7	2	48	0%
	Off road biodiesel	4	8	11	10	6	9	10	11	10	12	11	9	4	115	0%
	Pure vegetable oil	-	-	-	6	-	-	-	1	-	-	-	-	-	7	0%
	Hydrogen	-	-	-	0	-	-	-	-	-	-	-	-	0	0	0%
	Biomethane (compressed)	-	0	0	13	0	1	11	1	1	15	1	1	12	55	0%
	Development petrol	-	-	-	-	-	-	-	-	0	0	0	0	-	0	0%
	Biomethane (liquified)	-	-	-	-	-	-	-	-	-	-	-	-	6	6	0%
	MTBE (renewable portion)	0	0	0	0	0	0	0	0	0	0	0	0	-	2	0%
	Total	112	248	232	212	132	174	210	221	209	274	189	189	134	2,537	6%
Total	1,769	4,367	4,174	2,881	2,049	2,929	3,379	3,962	3,935	4,101	3,842	3,579	1,926	42,893	100%	

¹ This table contains all the data submitted for consideration as required under the RTFO Order. This includes both information on renewable fuel certified and accepted as sustainable as well as in progress applications of renewable fuel which are yet to be accepted as sustainable by the RTFO Unit.

² Renewable gases (such as biomethane and biopropane) are reported in kg but are converted to equivalent litres using standard multiplication factors (1.9 and 1.75 respectively) as stated in the RTFO Order.

³ Supply periods start on the 15th of one month and end on the 14th of the next. Except for January (start 1st end 14th) and December (start 15th end 31st).

Source: DfT

Last updated: August 2021

Next update: November 2021

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For further details alongside these tables, see the:

Department for Transport statistics

RTFO Statistics (<https://www.gov.uk/government/collections/renewable-fuel-statistics>)

Table RF 0102

Volumes of renewable fuel to which Renewable Transport Fuel Certificates (RTFCs) have been issued and number of RTFCs issued¹: United Kingdom, 2020

Provisional data

Data is for information received by the DfT as of 18/06/2021 and is provisional. The final report for 2020 will be published in Nov 2021.

		Supply periods ^{3,4}												Of which were from double counting material		
RTFC category		Jan	Jan - Feb	Feb - Mar	Mar - Apr	Apr - May	May - Jun	Jun - Jul	Jul - Aug	Aug - Sep	Sep - Oct	Oct - Nov	Nov - Dec	Dec	Total*	
Volumes to which RTFCs have been issued (million litres eq ²)	Relevant crop	22	81	71	51	19	33	30	58	47	59	35	29	24	560	-
	Development fuel ^b	-	-	-	0	-	-	-	-	0	0	0	-	0	0	0
	General	84	161	145	161	105	130	167	148	110	179	146	123	93	1,753	1,749
	Total	106	243	216	212	124	163	198	206	158	238	181	152	118	2,313	1,750
Total volume of renewable fuel		112	248	232	212	132	174	210	221	209	274	189	189	134	2,537	
Percentage of renewable fuel to which RTFCs have been issued ⁶																
All categories		95%	98%	93%	100%	94%	94%	94%	93%	75%	87%	96%	80%	88%	91%	
Number of RTFCs issued (millions)	Relevant crop	22	81	71	51	19	33	30	58	47	59	35	29	24	560	-
	Development fuel ^p	-	-	-	0	-	-	-	-	0	0	0	-	0	0	0
	General	169	323	289	322	210	260	334	296	220	357	292	245	186	3,502	3,499
	Total	190	404	360	373	229	293	364	354	267	417	327	274	211	4,063	3,499

¹ This table contains all the data submitted for consideration as required under the RTFO Order. This includes but information on renewable fuel certified and accepted as sustainable as well as in progress applications of renewable fuel which are yet to be accepted as sustainable by the RTFO Unit.

² Renewable gases (such as biomethane and biopropane) are reported in kg but are converted to equivalent litres using standard multiplication factors (1.9 and 1.75 respectively) as stated in the RTFO Order

³ Figures may include any RTFCs where a proposal of revocation has been issued but the RTFCs have not yet been revoked.

⁴ Supply periods start on the 15th of one month and end on the 14th of the next. Except for January (start 1st end 14th) and

⁵ Development fuel RTFC categories and obligation was introduced in 2019

⁶ See notes to data under 'HO930'

Source: DfT

Last updated: August 2021

Next update: November 2021

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For further details alongside these tables, see the:

[- Notes and definitions](#)

[- Report](#)

[- Guidance on the RTFO](#)

The figures in this table are outside the scope of National Statistics.

Department for Transport statistics

RTFO Statistics (<https://www.gov.uk/government/collections/renewable-fuel-statistics>)

Table RF 0103

RTFC balances by obligation period¹: United Kingdom, 2018 to 2020

Provisional data

Data is for information received by the DfT as of 18/06/2021 and is provisional. The final report for 2020 will be published in Nov 2021.

		Million RTFCs		
Status	GHG saving category / RTFC category ³	2018 ²	2019	2020
Issued	Relevant crop	478	841	562
	Development fuel ^{4*}	-	0	0
	General	2,085	3,677	3,505
	Total Issued	2,563	4,518	4,067
Revoked	Relevant crop	-	0	2
	General	4	2	3
	Total Revoked	4	2	5
Redeemed	Relevant crop	477	840	-
	Development fuel ^{4*}	-	0	-
	General	2,081	3,456	-
	Total Redeemed	2,558	4,297	-
Still in existence*	All categories	0	220	4,063

¹ This table contains data on RTFCs issued to renewable fuel certified as sustainable.

² Due to the change from financial to calendar year, 2018 is a short covering April to December 2018. From 2019 onwards all data will be reported for calendar years.

³ From 15th April 2018 new RTFC categories were introduced (general, relevant crop and development fuel). These replaced the GHG emission categories used in 2017/18 and in previous reports.

⁴ Development Fuels RTFC was introduced in 2019.

Source: DfT

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[- Notes and definitions](#)

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Table RF 0104
RTFCs transferred by quarter, certificate category and RTFO account holder type¹: United Kingdom, RTFCs i
Provisional data
Data is for information received by the DfT as of 18/06/2021 and is provisional. The final report for 2020 will be published in Nov 21

		Million RTFCs				
		RTFC category ^{3,4}				
Obligation period for which RTFCs were issued	Quarter in which transfer occurred	Account types	General	Development Fuels ⁴	Relevant Crop	Total
2020	Q48 - Jan20-Apr20	HO10 to HO10	1	-	5	6
		HO930 to HO10	3	-	0	3
		HO930 to Trader	0	-	0	0
	Q49 - Apr20-Jul20	HO10 to HO10	28	-	25	54
		HO10 to HO930	1	-	0	1
		HO10 to Trader	12	-	0	12
		HO930 to HO10	33	-	0	33
		HO930 to HO930	9	-	0	9
		HO930 to Trader	6	0	0	6
		Trader to HO10	9	0	0	9
	Q50 - Jul20-Oct20	HO10 to HO10	45	-	7	52
		HO10 to Trader	13	-	2	15
		HO930 to HO10	19	-	0	19
		HO930 to HO930	13	-	0	13
		HO930 to Trader	3	-	0	3
		Trader to HO10	23	-	0	23
	Q51 - Oct20-Dec20	HO10 to HO10	233	-	100	333
		HO10 to HO930	8	-	0	8
		HO10 to Trader	53	-	4	57
		HO930 to HO10	44	-	0	44
		HO930 to HO930	19	-	0	20
		HO930 to Trader	5	-	0	5
	Q52 - Jan21-Apr21	Trader to HO10	57	-	5	62
		HO10 to HO10	621	0	138	759
		HO10 to HO930	0	-	0	0
		HO10 to Trader	131	0	23	154
		HO930 to HO10	69	-	14	83
		HO930 to HO930	19	-	0	19
		HO930 to Trader	15	-	0	15
	Q53 - Apr21-Jul21	Trader to HO10	127	0	24	151
		HO10 to HO10	153	-	47	200
		HO10 to Trader	10	-	0	10
		HO930 to HO10	11	-	10	20
		HO930 to HO930	4	-	0	4
		HO930 to Trader	0	0	0	0
		Trader to HO10	26	0	0	26
2020 Total			1,823	0	404	2,228

¹ This table contains data on RTFCs issued to renewable fuel certified as sustainable.

³ From 15th April 2018 new RTFC categories were introduced (general, relevant crop and development fuel). These replaced the GHG emission categories used in 2017/18 and in previous reports.

Source: DfT
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[- Report](#)
[- Guidance on the RTFO](#)

Table RF 0105
Carbon and sustainability data of renewable transport fuel¹: United Kingdom, 2020
Provisional data

Data is for information received by the DfT as of 18/06/2021 and is provisional. The final report for 2020 will be published in Nov 2021.

Fuel type	Feedstock	Country of origin	RTFC Category ^{2,3}	Double counted feedstock?	Volume, million litres eq ⁴	Volume, % of fuel	ILUC factor, gCO ₂ e/MJ	Carbon intensity, gCO ₂ e / MJ		GHG saving, %	
								excl. ILUC	incl. ILUC	excl. ILUC	incl. ILUC
Bio Petrol	Soapstock acid oil contaminated with sulphur	United Kingdom	General	Yes	0	0%	0	9	9	89	89
	Used cooking oil	Argentina	General	Yes	0	0%	0	9	9	89	89
		Bahrain	General	Yes	0	0%	0	9	9	89	89
		Belgium	General	Yes	0	0%	0	9	9	89	89
		Canada	General	Yes	0	0%	0	9	9	89	89
		Chile	General	Yes	0	0%	0	9	9	89	89
		China	General	Yes	3	0%	0	9	9	89	89
		Denmark	General	Yes	0	0%	0	9	9	89	89
		Egypt	General	Yes	0	0%	0	9	9	89	89
		Georgia	General	Yes	0	0%	0	9	9	89	89
		Germany	General	Yes	0	0%	0	9	9	89	89
		Hong Kong	General	Yes	0	0%	0	9	9	89	89
		Iceland	General	Yes	0	0%	0	9	9	89	89
		Indonesia	General	Yes	2	0%	0	9	9	89	89
		Ireland, Republic of	General	Yes	0	0%	0	9	9	89	89
		Japan	General	Yes	0	0%	0	9	9	89	89
		Jordan	General	Yes	0	0%	0	9	9	89	89
		Kuwait	General	Yes	1	0%	0	9	9	89	89
		Malaysia	General	Yes	12	1%	0	9	9	89	89
		Netherlands	General	Yes	1	0%	0	9	9	89	89
		New Zealand	General	Yes	0	0%	0	9	9	89	89
		Peru	General	Yes	0	0%	0	9	9	89	89
		Qatar	General	Yes	0	0%	0	9	9	89	89
		Republic of Korea	General	Yes	0	0%	0	9	9	89	89
		Russian Federation	General	Yes	0	0%	0	9	9	89	89
		Saudi Arabia	General	Yes	0	0%	0	9	9	89	89
		Thailand	General	Yes	1	0%	0	9	9	89	89
		United Arab Emirates	General	Yes	0	0%	0	9	9	89	89
		United Kingdom	General	Yes	14	1%	0	9	9	89	89
		United States	General	Yes	0	0%	0	9	9	89	89
		Vietnam	General	Yes	1	0%	0	9	9	89	89
Bio Petrol Total					37	2%	0	9	9	89	89
Biodiesel HVO	Spent bleaching earth	Malaysia	General	Yes	4	0%	0	19	19	77	77
	Used cooking oil	Australia	General	Yes	0	0%	0	7	7	92	92
		China	General	Yes	4	0%	0	7	7	91	91
		Indonesia	General	Yes	2	0%	0	6	6	93	93
		New Zealand	General	Yes	0	0%	0	8	8	91	91
		Republic of Korea	General	Yes	1	0%	0	5	5	94	94
		Taiwan	General	Yes	2	0%	0	5	5	94	94
		United States	General	Yes	3	0%	0	6	6	93	93
		Vietnam	General	Yes	1	0%	0	5	5	94	94
		Venezuela	General	Yes	21	1%	0	14	14	83	83
		Biodiesel HVO Total					38	2%	0	12	12
Biodiesel ME	Brown grease	Bulgaria	General	Yes	1	0%	0	7	7	92	92
		Canada	General	Yes	0	0%	0	14	14	83	83
		Netherlands	General	Yes	0	0%	0	14	14	83	83
		Spain	General	Yes	0	0%	0	17	17	80	80
		United Kingdom	General	Yes	2	0%	0	12	12	86	86
		United States	General	Yes	11	0%	0	14	14	83	83
	Crude Glycerin	Ecuador	General	Yes	0	0%	0	12	12	86	86
		France	General	Yes	0	0%	0	12	12	86	86
		Netherlands	General	Yes	1	0%	0	17	17	80	80
		Portugal	General	Yes	0	0%	0	12	12	86	86
		Spain	General	Yes	0	0%	0	12	12	86	86
		United Kingdom	General	Yes	1	0%	0	19	19	78	78
	Empty palm fruit branches	Indonesia	General	Yes	1	0%	0	10	10	88	88
		Spain	General	Yes	0	0%	0	11	11	87	87
	Food waste	France	General	Yes	0	0%	0	8	8	91	91
		Ireland, Republic of	General	Yes	0	0%	0	13	13	84	84
		Portugal	General	Yes	0	0%	0	11	11	87	87
		Russian Federation	General	Yes	1	0%	0	8	8	90	90
		Spain	General	Yes	0	0%	0	16	16	81	81
		United Kingdom	General	Yes	20	1%	0	13	13	84	84
	Grape marc & wine lees	Spain	General	Yes	1	0%	0	9	9	89	89
	Oilseed rape	Australia	Relevant Crop	No	5	0%	55	28	83	67	1
		Austria	Relevant Crop	No	1	0%	55	26	81	69	3
		Belgium	Relevant Crop	No	0	0%	55	29	84	65	0
		Bulgaria	Relevant Crop	No	6	0%	55	26	81	69	3
		Canada	Relevant Crop	No	1	0%	55	37	92	56	-9
		Czech Republic	Relevant Crop	No	2	0%	55	32	87	62	-3

	France	Relevant Crop	No	5	0%	55	34	89	60	-6
	Germany	Relevant Crop	No	15	1%	55	31	86	63	-2
	Hungary	Relevant Crop	No	4	0%	55	33	88	61	-5
	Latvia	Relevant Crop	No	4	0%	55	33	88	61	-5
	Lithuania	Relevant Crop	No	0	0%	55	38	93	55	-11
	Poland	Relevant Crop	No	4	0%	55	29	84	65	-1
	Romania	Relevant Crop	No	1	0%	55	33	88	60	-5
	Russian Federation	Relevant Crop	No	1	0%	55	29	84	65	0
	Ukraine	Relevant Crop	No	6	0%	55	37	92	55	-10
	United Kingdom	Relevant Crop	No	0	0%	55	39	94	53	-12
Palm	Guatemala	Relevant Crop	No	0	0%	55	19	74	77	12
	India	Relevant Crop	No	0	0%	55	21	76	75	9
	Indonesia	Relevant Crop	No	1	0%	55	20	75	76	10
	Malaysia	Relevant Crop	No	2	0%	55	36	91	57	-9
Palm oil mill effluent	Argentina	General	Yes	1	0%	0	20	20	76	76
	Colombia	General	Yes	1	0%	0	17	17	80	80
	Cote d'Ivoire	General	Yes	0	0%	0	10	10	88	88
	Ghana	General	Yes	0	0%	0	17	17	80	80
	Honduras	General	Yes	0	0%	0	27	27	68	68
	India	General	Yes	0	0%	0	18	18	79	79
	Indonesia	General	Yes	8	0%	0	15	15	82	82
	Malaysia	General	Yes	8	0%	0	18	18	78	78
	Spain	General	Yes	1	0%	0	12	12	86	86
Poultry feather acid oil	Spain	General	Yes	1	0%	0	21	21	75	75
Sewage system FOG	United Kingdom	General	Yes	0	0%	0	14	14	83	83
Soapstock acid oil contaminated with sulphur	Argentina	General	Yes	1	0%	0	17	17	80	80
	Australia	General	Yes	0	0%	0	20	20	76	76
	Colombia	General	Yes	4	0%	0	10	10	88	88
	France	General	Yes	0	0%	0	12	12	86	86
	Germany	General	Yes	1	0%	0	20	20	76	76
	Indonesia	General	Yes	0	0%	0	20	20	76	76
	Italy	General	Yes	0	0%	0	20	20	76	76
	Netherlands	General	Yes	0	0%	0	19	19	78	78
	Portugal	General	Yes	17	1%	0	15	15	82	82
	Spain	General	Yes	16	1%	0	11	11	87	87
	United Kingdom	General	Yes	1	0%	0	17	17	80	80
Soy	Argentina	Relevant Crop	No	49	2%	55	33	88	61	-5
	Brazil	Relevant Crop	No	2	0%	55	33	88	61	-4
	Paraguay	Relevant Crop	No	9	0%	55	33	88	61	-5
Spent bleaching earth	China	General	Yes	3	0%	0	9	9	89	89
	Indonesia	General	Yes	0	0%	0	16	16	81	81
	Malaysia	General	Yes	2	0%	0	25	25	70	70
	Spain	General	Yes	2	0%	0	26	26	69	69
Sunflower	Bulgaria	Relevant Crop	No	3	0%	55	25	80	70	4
	France	Relevant Crop	No	1	0%	55	22	77	74	9
	Hungary	Relevant Crop	No	0	0%	55	20	75	76	11
	Moldova	Relevant Crop	No	0	0%	55	25	80	70	5
	Ukraine	Relevant Crop	No	2	0%	55	25	80	70	4
Tallow - category 1	Austria	General	Yes	0	0%	0	14	14	83	83
	Belarus	General	Yes	1	0%	0	13	13	85	85
	Belgium	General	Yes	4	0%	0	12	12	85	85
	China	General	Yes	1	0%	0	9	9	89	89
	Czech Republic	General	Yes	0	0%	0	14	14	83	83
	Estonia	General	Yes	0	0%	0	14	14	83	83
	Finland	General	Yes	0	0%	0	14	14	83	83
	France	General	Yes	3	0%	0	13	13	84	84
	Germany	General	Yes	6	0%	0	13	13	85	85
	Hungary	General	Yes	0	0%	0	14	14	83	83
	Ireland, Republic of	General	Yes	11	0%	0	14	14	83	83
	Italy	General	Yes	0	0%	0	14	14	84	84
	Lithuania	General	Yes	1	0%	0	13	13	84	84
	Netherlands	General	Yes	2	0%	0	13	13	85	85
	Poland	General	Yes	3	0%	0	13	13	85	85
	Russian Federation	General	Yes	1	0%	0	12	12	86	86
	Spain	General	Yes	5	0%	0	13	13	84	84
	Switzerland	General	Yes	1	0%	0	13	13	84	84
	United Kingdom	General	Yes	39	2%	0	14	14	84	84
Tallow - Category 2 or uncategorised	Germany	General	No	1	0%	0	13	13	85	85
	Hungary	General	No	0	0%	0	14	14	83	83
	Iceland	General	No	0	0%	0	14	14	83	83
	Poland	General	No	0	0%	0	7	7	92	92
	Romania	General	No	0	0%	0	14	14	83	83
Tallow - Category 3 or unknown	Australia	General	No	2	0%	0	14	14	83	83
Used cooking oil	Afghanistan	General	Yes	0	0%	0	14	14	83	83
	Argentina	General	Yes	2	0%	0	10	10	87	87
	Australia	General	Yes	14	1%	0	12	12	86	86
	Austria	General	Yes	0	0%	0	11	11	87	87
	Azerbaijan	General	Yes	0	0%	0	9	9	90	90
	Bahrain	General	Yes	1	0%	0	11	11	87	87
	Barbados	General	Yes	0	0%	0	14	14	83	83
	Belarus	General	Yes	0	0%	0	9	9	89	89
	Belgium	General	Yes	6	0%	0	10	10	88	88

	Bolivia	General	Yes	0	0%	0	10	10	88	88
	Bosnia and Herzegovina	General	Yes	0	0%	0	10	10	88	88
	Bulgaria	General	Yes	9	0%	0	10	10	89	89
	Cambodia	General	Yes	0	0%	0	7	7	92	92
	Canada	General	Yes	5	0%	0	12	12	86	86
	Chile	General	Yes	6	0%	0	10	10	88	88
	China	General	Yes	488	21%	0	10	10	88	88
	Colombia	General	Yes	1	0%	0	10	10	88	88
	Croatia	General	Yes	0	0%	0	9	9	89	89
	Curacao	General	Yes	0	0%	0	11	11	87	87
	Cyprus	General	Yes	0	0%	0	14	14	84	84
	Czech Republic	General	Yes	2	0%	0	10	10	88	88
	Denmark	General	Yes	1	0%	0	11	11	87	87
	Ecuador	General	Yes	0	0%	0	11	11	87	87
	Egypt	General	Yes	5	0%	0	11	11	87	87
	Finland	General	Yes	1	0%	0	9	9	89	89
	France	General	Yes	10	0%	0	10	10	88	88
	Georgia	General	Yes	0	0%	0	10	10	88	88
	Germany	General	Yes	42	2%	0	9	9	89	89
	Greece	General	Yes	8	0%	0	13	13	84	84
	Hong Kong	General	Yes	6	0%	0	10	10	88	88
	Hungary	General	Yes	0	0%	0	7	7	92	92
	Iceland	General	Yes	0	0%	0	11	11	87	87
	Indonesia	General	Yes	19	1%	0	11	11	87	87
	Iraq	General	Yes	0	0%	0	11	11	87	87
	Ireland, Republic of	General	Yes	8	0%	0	13	13	84	84
	Israel	General	Yes	0	0%	0	6	6	93	93
	Italy	General	Yes	5	0%	0	10	10	88	88
	Japan	General	Yes	3	0%	0	11	11	87	87
	Jordan	General	Yes	2	0%	0	11	11	86	86
	Kuwait	General	Yes	3	0%	0	11	11	87	87
	Lebanon	General	Yes	2	0%	0	11	11	87	87
	Lithuania	General	Yes	0	0%	0	9	9	89	89
	Luxembourg	General	Yes	0	0%	0	9	9	89	89
	Malaysia	General	Yes	101	4%	0	11	11	87	87
	Mexico	General	Yes	0	0%	0	10	10	88	88
	Morocco	General	Yes	2	0%	0	12	12	85	85
	Netherlands	General	Yes	31	1%	0	10	10	88	88
	New Zealand	General	Yes	1	0%	0	12	12	86	86
	Norway	General	Yes	0	0%	0	10	10	88	88
	Oman	General	Yes	1	0%	0	11	11	87	87
	Panama	General	Yes	0	0%	0	11	11	87	87
	Paraguay	General	Yes	0	0%	0	6	6	93	93
	Peru	General	Yes	0	0%	0	12	12	86	86
	Puerto Rico	General	Yes	0	0%	0	13	13	84	84
	Poland	General	Yes	10	0%	0	9	9	89	89
	Portugal	General	Yes	0	0%	0	10	10	88	88
	Qatar	General	Yes	2	0%	0	12	12	86	86
	Republic of Korea	General	Yes	5	0%	0	12	12	86	86
	Romania	General	Yes	2	0%	0	11	11	87	87
	Russian Federation	General	Yes	29	1%	0	10	10	88	88
	Saudi Arabia	General	Yes	22	1%	0	11	11	87	87
	Serbia	General	Yes	0	0%	0	10	10	88	88
	Singapore	General	Yes	3	0%	0	12	12	86	86
	Slovakia	General	Yes	1	0%	0	10	10	88	88
	Slovenia	General	Yes	0	0%	0	9	9	89	89
	South Africa	General	Yes	6	0%	0	10	10	88	88
	Spain	General	Yes	9	0%	0	12	12	85	85
	Sweden	General	Yes	1	0%	0	10	10	88	88
	Switzerland	General	Yes	3	0%	0	9	9	89	89
	Taiwan	General	Yes	11	0%	0	12	12	86	86
	Thailand	General	Yes	5	0%	0	11	11	87	87
	Trinidad and Tobago	General	Yes	0	0%	0	11	11	87	87
	Tunisia	General	Yes	1	0%	0	11	11	87	87
	Turkey	General	Yes	4	0%	0	14	14	84	84
	Ukraine	General	Yes	1	0%	0	9	9	89	89
	United Arab Emirates	General	Yes	14	1%	0	11	11	87	87
	United Kingdom	General	Yes	62	3%	0	11	11	86	86
	United States	General	Yes	68	3%	0	11	11	86	86
	Uruguay	General	Yes	0	0%	0	14	14	83	83
	Venezuela	General	Yes	0	0%	0	14	14	83	83
	Vietnam	General	Yes	8	0%	0	11	11	87	87
Waste pressings from production of vegetable oils	Argentina	General	Yes	2	0%	0	11	11	87	87
	Austria	General	Yes	0	0%	0	13	13	84	84
	Belgium	General	Yes	0	0%	0	9	9	89	89
	Bulgaria	General	Yes	3	0%	0	7	7	92	92
	France	General	Yes	0	0%	0	9	9	89	89
	Germany	General	Yes	0	0%	0	12	12	86	86
	Netherlands	General	Yes	0	0%	0	13	13	84	84
	Poland	General	Yes	0	0%	0	9	9	89	89
	Spain	General	Yes	26	1%	0	10	10	88	88
				1408	61%	3	12	16	85	81
Biodiesel ME Total										

Bioethanol	Bagasse	Brazil	General	Yes	9	0%	0	19	19	77	77
	Barley	Germany	Relevant Crop	No	0	0%	12	20	32	76	62
	Corn	Bulgaria	Relevant Crop	No	0	0%	12	7	19	92	77
		Canada	Relevant Crop	No	8	0%	12	33	45	61	46
		France	Relevant Crop	No	10	0%	12	16	28	81	67
		Hungary	Relevant Crop	No	5	0%	12	27	39	67	53
		Poland	Relevant Crop	No	1	0%	12	24	36	72	57
		Romania	Relevant Crop	No	13	1%	12	22	34	74	60
		Spain	Relevant Crop	No	7	0%	12	26	38	69	54
		Ukraine	Relevant Crop	No	60	3%	12	20	32	76	61
		United Kingdom	Relevant Crop	No	0	0%	12	28	40	67	52
		United States	Relevant Crop	No	62	3%	12	36	48	58	43
	Ethanol from cleaning/extraction of blood plasma	Germany	General	Yes	3	0%	0	26	26	69	69
	Food waste	Finland	General	Yes	1	0%	0	8	8	90	90
		France	General	Yes	0	0%	0	15	15	82	82
		Germany	General	Yes	8	0%	0	31	31	63	63
		Netherlands	General	Yes	0	0%	0	36	36	57	57
		Poland	General	Yes	14	1%	0	28	28	66	66
		Sweden	General	Yes	12	1%	0	9	9	90	90
		United Kingdom	General	Yes	1	0%	0	38	38	54	54
	Starch slurry (waste)	Austria	General	Yes	21	1%	0	2	2	98	98
		Belgium	General	Yes	13	1%	0	19	19	77	77
		France	General	Yes	52	2%	0	22	22	73	73
		Germany	General	Yes	0	0%	0	41	41	51	51
		Hungary	General	Yes	2	0%	0	15	15	82	82
		Netherlands	General	Yes	2	0%	0	32	32	62	62
		Poland	General	Yes	1	0%	0	25	25	70	70
	Sugar beet	France	Relevant Crop	No	23	1%	13	40	53	53	37
		Germany	Relevant Crop	No	1	0%	13	34	47	59	44
		United Kingdom	Relevant Crop	No	33	1%	13	40	53	53	37
	Sugar beet betaine residue	United Kingdom	General	Yes	8	0%	0	14	14	83	83
	Sugar cane	Bolivia	Relevant Crop	No	0	0%	13	24	37	71	56
		Brazil	Relevant Crop	No	52	2%	13	23	36	73	58
		Costa Rica	Relevant Crop	No	0	0%	13	14	27	83	68
		Guatemala	Relevant Crop	No	6	0%	13	18	31	79	63
		Peru	Relevant Crop	No	10	0%	13	12	25	85	70
	Sweet sorghum	United States	Relevant Crop	No	1	0%	12	26	38	69	55
	Triticale	Lithuania	Relevant Crop	No	0	0%	12	33	45	61	46
	Wheat	Belgium	Relevant Crop	No	1	0%	12	22	34	74	59
		France	Relevant Crop	No	9	0%	12	32	44	61	47
		Germany	Relevant Crop	No	0	0%	12	28	40	67	52
		Romania	Relevant Crop	No	3	0%	12	20	32	76	62
		Spain	Relevant Crop	No	7	0%	12	27	39	68	53
		Sweden	Relevant Crop	No	1	0%	12	33	45	61	46
		Ukraine	Relevant Crop	No	1	0%	12	26	38	69	55
		United Kingdom	Relevant Crop	No	74	3%	12	25	37	70	56
	Bioethanol Total				539	23%	8	24	33	71	61
Biomethane (Compressed)	Dry manure	Denmark	General	Yes	0	0%	0	24	24	71	71
		Germany	General	Yes	1	0%	0	11	11	86	86
	Food waste	Austria	General	Yes	2	0%	0	20	20	76	76
		Czech Republic	General	Yes	0	0%	0	22	22	74	74
		Germany	General	Yes	1	0%	0	15	15	82	82
		Sweden	General	Yes	11	0%	0	10	10	88	88
		United Kingdom	General	Yes	8	0%	0	23	23	73	73
	Municipal grass cuttings	Austria	General	Yes	0	0%	0	20	20	76	76
		Czech Republic	General	Yes	0	0%	0	20	20	76	76
		Sweden	General	Yes	0	0%	0	10	10	88	88
	Municipal organic waste	Czech Republic	General	Yes	0	0%	0	22	22	74	74
		Denmark	General	Yes	0	0%	0	19	19	77	77
	Sewage sludge	Germany	General	Yes	7	0%	0	23	23	72	72
		Spain	General	Yes	13	1%	0	25	25	70	70
		Czech Republic	General	Yes	0	0%	0	22	22	74	74
		Germany	General	Yes	0	0%	0	9	9	89	89
	Sewage system FOG	Sweden	General	Yes	2	0%	0	11	11	87	87
		Czech Republic	General	Yes	0	0%	0	22	22	74	74
	Straw	Germany	General	Yes	3	0%	0	15	15	83	83
		Austria	General	Yes	0	0%	0	21	21	75	75
	Sugar beet tops, tails, chips & process water	Germany	General	Yes	2	0%	0	10	10	88	88
		Sweden	General	Yes	0	0%	0	11	11	87	87
	Waste pressings from production of vegetable oils	Germany	General	Yes	1	0%	0	5	5	94	94
	Waste slurry from the distillation of grain mixtur	Austria	General	Yes	0	0%	0	21	21	76	76
	Wet manure	Denmark	General	Yes	3	0%	0	23	23	73	73
		Germany	General	Yes	0	0%	0	10	10	88	88
		Sweden	General	Yes	0	0%	0	22	22	74	74
	Biomethane (compressed) Total				55	2%	0	17	17	80	80
Biomethane (Liquified)	Food waste	Czech Republic	General	Yes	0	0%	0	23	23	73	73
		Netherlands	General	Yes	0	0%	0	17	17	80	80
		Sweden	General	Yes	1	0%	0	6	6	93	93
	Municipal grass cuttings	Czech Republic	General	Yes	0	0%	0	23	23	73	73
	Municipal organic waste	Czech Republic	General	Yes	0	0%	0	23	23	73	73
		Spain	General	Yes	1	0%	0	20	20	76	76
	Sewage sludge (waste)	Czech Republic	General	Yes	0	0%	0	23	23	73	73

		Germany	General	Yes	1	0%	0	19	19	77	77
	Sewage system FOG	Czech Republic	General	Yes	0	0%	0	23	23	73	73
		Netherlands	General	Yes	0	0%	0	31	31	63	63
	Straw	Germany	General	Yes	2	0%	0	20	20	76	76
	Sugar beet tops, tails, chips & process water	Germany	General	Yes	0	0%	0	13	13	84	84
		Hungary	General	Yes	1	0%	0	8	8	90	90
Biomethane (liquified) Total					6	0%	0	0	0	100	100
Diesel (origin Bio)	Soapstock acid oil contaminated with sulphur	United Kingdom	General	Yes	0	0%	0	9	9	89	89
	Used cooking oil	Argentina	General	Yes	0	0%	0	9	9	89	89
		Bahrain	General	Yes	0	0%	0	9	9	89	89
		Belgium	General	Yes	0	0%	0	9	9	89	89
		Canada	General	Yes	0	0%	0	9	9	89	89
		Chile	General	Yes	0	0%	0	9	9	89	89
		China	General	Yes	1	0%	0	9	9	89	89
		Denmark	General	Yes	0	0%	0	9	9	89	89
		Egypt	General	Yes	0	0%	0	9	9	89	89
		Georgia	General	Yes	0	0%	0	9	9	89	89
		Germany	General	Yes	0	0%	0	9	9	89	89
		Hong Kong	General	Yes	0	0%	0	9	9	89	89
		Iceland	General	Yes	0	0%	0	9	9	89	89
		Indonesia	General	Yes	1	0%	0	9	9	89	89
		Ireland, Republic of	General	Yes	0	0%	0	9	9	89	89
		Japan	General	Yes	0	0%	0	9	9	89	89
		Jordan	General	Yes	0	0%	0	9	9	89	89
		Kuwait	General	Yes	0	0%	0	9	9	89	89
		Malaysia	General	Yes	4	0%	0	9	9	89	89
		Netherlands	General	Yes	0	0%	0	9	9	89	89
		New Zealand	General	Yes	0	0%	0	9	9	89	89
		Peru	General	Yes	0	0%	0	9	9	89	89
		Qatar	General	Yes	0	0%	0	9	9	89	89
		Republic of Korea	General	Yes	0	0%	0	9	9	89	89
		Russian Federation	General	Yes	0	0%	0	9	9	89	89
		Saudi Arabia	General	Yes	0	0%	0	9	9	89	89
		Thailand	General	Yes	0	0%	0	9	9	89	89
		United Arab Emirates	General	Yes	0	0%	0	9	9	89	89
		United Kingdom	General	Yes	4	0%	0	9	9	89	89
		United States	General	Yes	0	0%	0	9	9	89	89
		Vietnam	General	Yes	0	0%	0	9	9	89	89
Diesel (origin Bio) Total					12	1%	0	9	9	89	89
Methanol (bio)	Dry Manure	United States	General	Yes	0	0%	0	34	34	59	59
	Food waste	Germany	General	Yes	6	0%	0	26	26	69	69
		United States	General	Yes	7	0%	0	33	33	60	60
	Municipal organic waste	United States	General	Yes	20	1%	0	34	34	60	60
	Organic municipal waste	United States	General	Yes	0	0%	0	36	36	57	57
	Sewage sludge	United States	General	Yes	3	0%	0	34	34	59	59
	Starch slurry (waste)	United States	General	Yes	2	0%	0	34	34	60	60
	Waste pressings from production of vegetable oils	United States	General	Yes	5	0%	0	34	34	59	59
Methanol (bio) Total					45	2%	0	34	34	59	59
Biopropane	Palm	Indonesia	Relevant Crop	No	33	1%	55	25	80	71	5
		Malaysia	Relevant Crop	No	2	0%	55	20	75	76	11
	Palm fatty acid distillate	Indonesia	Relevant Crop	No	3	0%	55	5	60	94	28
	Soapstock acid oil contaminated with sulphur	United Kingdom	General	Yes	0	0%	0	9	9	89	89
	Used cooking oil	Argentina	General	Yes	0	0%	0	9	9	89	89
		Bahrain	General	Yes	0	0%	0	9	9	89	89
		Belgium	General	Yes	0	0%	0	7	7	91	91
		Canada	General	Yes	0	0%	0	9	9	89	89
		Chile	General	Yes	0	0%	0	9	9	89	89
		China	General	Yes	2	0%	0	9	9	89	89
		Colombia	General	Yes	0	0%	0	9	9	89	89
		Czech Republic	General	Yes	0	0%	0	9	9	89	89
		Denmark	General	Yes	0	0%	0	9	9	89	89
		Egypt	General	Yes	0	0%	0	9	9	89	89
		France	General	Yes	1	0%	0	7	7	92	92
		Georgia	General	Yes	0	0%	0	9	9	89	89
		Germany	General	Yes	0	0%	0	9	9	89	89
		Hong Kong	General	Yes	0	0%	0	9	9	89	89
		Indonesia	General	Yes	1	0%	0	9	9	89	89
		Ireland, Republic of	General	Yes	0	0%	0	9	9	89	89
		Italy	General	Yes	0	0%	0	10	10	88	88
		Japan	General	Yes	0	0%	0	9	9	89	89
		Jordan	General	Yes	0	0%	0	9	9	89	89
		Kuwait	General	Yes	0	0%	0	9	9	89	89
		Luxembourg	General	Yes	0	0%	0	7	7	92	92
		Malaysia	General	Yes	2	0%	0	8	8	90	90
		Mexico	General	Yes	0	0%	0	9	9	89	89
		Netherlands	General	Yes	1	0%	0	7	7	91	91
		New Zealand	General	Yes	0	0%	0	9	9	89	89
		Peru	General	Yes	0	0%	0	8	8	90	90
		Qatar	General	Yes	0	0%	0	9	9	89	89
		Republic of Korea	General	Yes	0	0%	0	9	9	89	89
		Russian Federation	General	Yes	0	0%	0	9	9	89	89
		Saudi Arabia	General	Yes	0	0%	0	9	9	89	89

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			United Arab Emirates	General	Yes	1	0%	0	12	12	86	86
			United Kingdom	General	Yes	8	0%	0	12	12	85	85
			United States	General	Yes	7	0%	0	11	11	87	87
			Uruguay	General	Yes	0	0%	0	14	14	83	83
			Vietnam	General	Yes	1	0%	0	10	10	88	88
Off road biodiesel Total						115	5%	4	13	17	85	79
Pure vegetable oil	Used cooking oil		United Kingdom	General	Yes	7	0%	0	14	14	83	83
Pure vegetable oil Total						7	0%	0	14	14	83	83
Hydrogen	Wind Power		United Kingdom	Development Fuel	Yes	0	0%	0	0	0	100	100
Hydrogen Total						0	0%	0	0	0	100	100
Development Petrol	Food waste		Poland	Development Fuel	Yes	0	0%	0	20	20	76	76
	Sugar beet tops, tails, chips & process water		Ukraine	Development Fuel	Yes	0	0%	0	15	15	82	82
Development Petrol Total						0	0%	0	16	16	80	80
Grand Total						2313	100%	4	15	19	83	78

¹ This table contains data on RTFCs issued to renewable fuel certified as sustainable.

² From 15th April 2018 new RTFC categories are introduced (general, relevant crop and development fuel). These replace the GHG emission categories used in 2017/18 and in previous reports.

³ Development Fuels RTFC was introduced in 2019. Until we have at least 3 companies supplying development fuels no statistics will be published due to the commercially sensitive nature of the data.

⁴ Renewable gases (such as biomethane and biopropane) are reported in kg but are converted to equivalent litres using standard multiplication factors (1.9 and 1.75 respectively) as stated in the RTFO Order.

For further details alongside these tables, see the:

[- Notes and definitions](#)

[- Report](#)

[- Guidance on the RTFO](#)

The figures in this table are outside the scope of National Statistics.

Source: DfT
Last updated: August 2021
Next update: November 2021
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Table RF 0106
Voluntary scheme data of renewable transport fuel¹: United Kingdom, 2020
Provisional data

Data is for information received by the DfT as of 18/06/2021 and is provisional. The final report for 2020 will be published in Nov 2021.

Scheme 1	Fuel Type	Feedstock	Country	
Bonsucro EU (formerly BSI)	Bioethanol	Sugar Cane	Brazil	
Bonsucro EU (formerly BSI) Total				
Biomass Biofuels voluntary scheme	Biodiesel ME	Used cooking oil	France	
	Bioethanol	Starch slurry (waste)	Belgium	
				France
			Sugar beet	France
Biomass Biofuels voluntary scheme Total				
HVO Renewable Diesel Scheme	Biodiesel ME	Used cooking oil	United States	
HVO Renewable Diesel Scheme Total				
International Sustainability & Carbon Cert.	Bio Petrol	Soapstock acid oil contaminated with sulphur	United Kingdom	
			Argentina	
		Used cooking oil	Bahrain	
			Belgium	
			Canada	
			Chile	
			China	
			Denmark	
			Egypt	
			Georgia	
			Germany	
			Hong Kong	
			Iceland	
			Indonesia	
			Ireland, Republic of	
			Japan	
			Jordan	
			Kuwait	
			Malaysia	
			Netherlands	
			New Zealand	
			Peru	
			Qatar	
			Republic of Korea	
			Russian Federation	
			Saudi Arabia	
			Thailand	
			United Arab Emirates	
			United Kingdom	
			United States	
			Vietnam	
			Malaysia	
	Biodiesel HVO	Spent bleaching earth	Australia	
			China	
		Used cooking oil	Indonesia	
			New Zealand	
			Republic of Korea	
			Taiwan	
			United States	
			Vietnam	
			Venezuela	
			Bulgaria	
			Spain	
			United Kingdom	
	Biodiesel ME	Crude glycerine	Ecuador	
			France	
			Netherlands	
			Portugal	
			Spain	
			United Kingdom	
		Empty palm fruit bunches	Indonesia	
			Spain	
		Food waste	France	
			Ireland, Republic of	
			Portugal	
			Russian Federation	
			Spain	
			United Kingdom	
		Grape merc & wine lees	Spain	
	Oilseed rape		Australia	
			Austria	
			Belgium	
			Bulgaria	
			Canada	
			Czech Republic	
			France	
			Germany	
			Hungary	
			Latvia	
			Lithuania	
			Poland	
			Romania	
			Russian Federation	
	Palm		Ukraine	
			United Kingdom	
			Guatemala	
			India	
			Indonesia	
Palm oil mill effluent		Malaysia		
		Argentina		
		Colombia		
		Cote d'Ivoire (Ivory Coast)		

	Ghana
	Honduras
	India
	Indonesia
	Malaysia
	Spain
Poultry feather acid oil	Spain
Soapstock acid oil contaminated with sulphur	Argentina
	Australia
	Colombia
	France
	Germany
	Indonesia
	Italy
	Netherlands
	Portugal
	Spain
	United Kingdom
Soy	Argentina
	Brazil
	Paraguay
Spent bleaching earth	China
	Indonesia
	Malaysia
	Spain
Sunflower	Bulgaria
	France
	Hungary
	Moldova
	Ukraine
Tallow - category 1	Austria
	Belarus
	Belgium
	China
	Czech Republic
	Estonia
	Finland
	France
	Germany
	Hungary
	Ireland, Republic of
	Italy
	Lithuania
	Netherlands
	Poland
	Russian Federation
	Spain
	Switzerland
	United Kingdom
Tallow - category 2 or uncategorised	Germany
	Hungary
	Iceland
	Poland
	Romania
Tallow - category 3 or unknown	Australia
Used cooking oil	Afghanistan
	Argentina
	Australia
	Austria
	Azerbaijan
	Bahrain
	Barbados
	Belarus
	Belgium
	Bolivia
	Bosnia and Herzegovi
	Bulgaria
	Cambodia
	Canada
	Chile
	China
	Colombia
	Croatia
	Curacao
	Cyprus
	Czech Republic
	Denmark
	Ecuador
	Egypt
	Finland
	France
	Georgia
	Germany
	Greece
	Hong Kong
	Hungary
	Iceland
	Indonesia
	Iraq
	Ireland, Republic of
	Israel
	Italy
	Japan
	Jordan
	Kuwait
	Lebanon
	Lithuania
	Luxembourg
	Malaysia
	Mexico
	Morocco

		Netherlands
		New Zealand
		Norway
		Oman
		Panama
		Paraguay
		Peru
		Puerto Rico
		Poland
		Portugal
		Qatar
		Republic of Korea
		Romania
		Russian Federation
		Saudi Arabia
		Serbia
		Singapore
		Slovakia
		Slovenia
		South Africa
		Spain
		Sweden
		Switzerland
		Taiwan
		Thailand
		Trinidad and Tobago
		Tunisia
		Turkey
		Ukraine
		United Arab Emirates
		United Kingdom
		United States
		Uruguay
		Venezuela
		Vietnam
	Waste pressings from production of vegetable oils	Argentina
		Austria
		Belgium
		Bulgaria
		France
		Germany
		Netherlands
		Poland
		Spain
Bioethanol	Bagasse	Brazil
	Barley	Germany
	Corn	Bulgaria
		Canada
		France
		Hungary
		Poland
		Romania
		Spain
		Ukraine
		United Kingdom
		United States
	Ethanol from cleaning/extraction of blood plasma	Germany
	Food waste	Finland
		France
		Germany
		Netherlands
		Poland
		Sweden
		United Kingdom
	Starch slurry (waste)	Austria
		Belgium
		France
		Germany
		Hungary
		Netherlands
		Poland
	Sugar beet	France
		Germany
		United Kingdom
	Sugar cane	Bolivia
		Brazil
		Costa Rica
		Guatemala
		Peru
	Triticale	Lithuania
	Wheat	Belgium
		France
		Germany
		Romania
		Spain
		Sweden
		Ukraine
		United Kingdom
	Sugar beet betaine residue	United Kingdom
	Sweet sorghum	United States
Biomethane (compressed)	Dry Manure	Denmark
		Germany
	Food waste	Austria
		Czech Republic
		Germany
		Sweden
	Municipal organic waste	Czech Republic
		Denmark
		Germany
		Spain
	Sewage sludge	Czech Republic

		Germany
		Sweden
	Sewage system FOG	Czech Republic
	Straw	Germany
	Sugar beet tops, tails, chips & process water	Austria
		Germany
	Waste pressings from production of vegetable oils	Sweden
	Waste slurry from the distillation of grain mixture	Germany
	Wet manure	Austria
		Denmark
	Municipal grass cuttings	Austria
		Czech Republic
		Sweden
Biomethane (liquified)	Food waste	Czech Republic
		Sweden
	Municipal organic waste	Czech Republic
		Spain
	Sewage sludge	Czech Republic
		Germany
	Sewage system FOG	Czech Republic
		Netherlands
	Straw	Germany
	Municipal grass cuttings	Czech Republic
Diesel (origin Bio)	Soapstock acid oil contaminated with sulphur	United Kingdom
	Used cooking oil	Argentina
		Bahrain
		Belgium
		Canada
		Chile
		China
		Denmark
		Egypt
		Georgia
		Germany
		Hong Kong
		Iceland
		Indonesia
		Ireland, Republic of
		Japan
		Jordan
		Kuwait
		Malaysia
		Netherlands
		New Zealand
		Peru
		Qatar
		Republic of Korea
		Russian Federation
		Saudi Arabia
		Thailand
		United Arab Emirates
		United Kingdom
		United States
		Vietnam
Methanol (bio)	Dry Manure	United States
	Food Waste	Germany
		United States
	Municipal organic waste	United States
	Organic municipal solid waste	United States
	Starch slurry (waste)	United States
	Sewage sludge	United States
	Waste pressings from production of vegetable oils	United States
Off road biodiesel	Crude glycerine	Spain
	Brown grease	United Kingdom
	Food waste	Ireland, Republic of
		United Kingdom
	Oilseed rape	Bulgaria
		France
		Germany
		Hungary
		Latvia
		Lithuania
		Ukraine
	Palm oil mill effluent	Indonesia
		Malaysia
	Soapstock acid oil contaminated with sulphur	Spain
	Soy	Argentina
	Tallow - category 1	Belarus
		Germany
		Hungary
		Ireland, Republic of
		Lithuania
		Spain
		United Kingdom
	Used cooking oil	Afghanistan
		Argentina
		Australia
		Austria
		Azerbaijan
		Belgium
		Bulgaria
		Canada
		Chile
		China
		Colombia
		Cyprus
		Czech Republic
		Denmark
		Egypt
		Finland
		France

			Germany
			Greece
			Hong Kong
			Indonesia
			Ireland, Republic of
			Italy
			Japan
			Jordan
			Kuwait
			Lebanon
			Malaysia
			Mexico
			Netherlands
			New Zealand
			Oman
			Panama
			Peru
			Puerto Rico
			Poland
			Portugal
			Qatar
			Republic of Korea
			Romania
			Russian Federation
			Saudi Arabia
			Singapore
			Slovakia
			South Africa
			Spain
			Sweden
			Switzerland
			Taiwan
			Thailand
			Turkey
			Ukraine
			United Arab Emirates
			United Kingdom
			United States
			Uruguay
			Vietnam
	Biopropane	Palm	Indonesia
			Malaysia
		Used cooking oil	Belgium
			Chile
			China
			Czech Republic
			France
			Germany
			Indonesia
			Italy
			Japan
			Jordan
			Luxembourg
			Malaysia
			Netherlands
			Peru
			Spain
			Sweden
			United Kingdom
		Palm fatty acid distillate	Indonesia
	Pure vegetable oil	Used cooking oil	United Kingdom
International Sustainability & Carbon Cert. Total			
None - Feedstock Not Certified			
	Biodiesel ME	Brown grease	Canada
			Netherlands
			United States
		Food waste	Ireland, Republic of
			United Kingdom
		Sewage system FOG	United Kingdom
		Soapstock acid oil contaminated with sulphur	United Kingdom
		Tallow - category 1	Ireland, Republic of
		Used cooking oil	France
			Netherlands
			United Kingdom
			United States
	Biomethane (compressed)	Food waste	United Kingdom
	Hydrogen	Wind power	United Kingdom
	Off road biodiesel	Used cooking oil	United Kingdom
None - Feedstock Not Certified Total			
REDcert EU			
	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Argentina
			Portugal
	Bioethanol	Corn	Romania
			United States
		Food Waste	Poland
		Starch slurry (waste)	Belgium
		Wheat	Belgium
			France
	Development petrol	Food waste	Poland
		Sugar beet tops, tails, chips & process water	Ukraine
	Biopropane	Used cooking oil	Argentina
			Bahrain
			Belgium
			Canada
			Chile
			China
			Denmark
			Egypt
			Germany
			Hong Kong
			Indonesia
			Ireland, Republic of
			Japan

			Jordan
			Kuwait
			Malaysia
			Netherlands
			Peru
			Qatar
			Thailand
			United Kingdom
			Vietnam
	Biomethane (liquified)	Sugar beet tops, tails, chips & process water	Germany
			Hungary
	Biomethane (compressed)	Dry Manure	Denmark
			Germany
		Food Waste	Germany
			Sweden
		Municipal organic waste	Germany
		Straw	Germany
		Sugar beet tops, tails, chips & process water	Germany
		Wet Manure	Denmark
			Germany
			Sweden
REDcert EU Total			
Roundtable on Sustainable Biomaterials EU RED			
	Bioethanol	Sugar Cane	Brazil
	Biopropane	Soapstock acid oil contaminated with sulphur	United Kingdom
		Used cooking oil	Bahrain
			Canada
			Chile
			China
			Colombia
			Denmark
			Egypt
			Georgia
			Germany
			Hong Kong
			Indonesia
			Ireland, Republic of
			Japan
			Jordan
			Kuwait
			Malaysia
			Mexico
			Netherlands
			New Zealand
			Peru
			Qatar
			Republic of Korea
			Russian Federation
			Saudi Arabia
			Taiwan
			Thailand
			United Arab Emirates
			United Kingdom
			Vietnam
Roundtable on Sustainable Biomaterials EU RED Total			
NTA 8080	Biomethane	Food Waste	Netherlands
NTA 8080 Total			
Total*			

¹ This table contains data on RTFCs issued to renewable fuel certified as sustainable.

² Renewable gases (such as biomethane and biopropane) are reported in kg but are converted to equivalent litres using standard multiplication factors (1.9 and

For further details alongside these tables, see the:

- [Notes and definitions](#)

- [Report](#)

- [Guidance on the RTFO](#)

The figures in this table are outside the scope of National Statistics.