

Renewable Fuel Statistics, 2022 (fifth provisional)

Department for Transport

Introduction

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

This is the fifth update of 2022, out of 5 provisional reports. This will be followed by the final update for 2022 in November 2023.

The data in this table is from information received by the DfT as of the 3 August 2023.

The time series data in these tables has been backdated using a updated weighting by energy density. This has caused a small change to the historic figures published before 2023, but these are now more accurate.

The figures in these tables are outside the scope of National Statistics.

Further information

For further details alongside these tables, see the following sites and documents:

[Notes and definitions](#)

[Renewable Fuel Statistics on GOV.UK](#)

[Guidance on the RTFO](#)

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Source

Department for Transport, Renewable Transport Fuel Statistics

Last updated

9 August 2023

Contact

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Notes

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Note ID	Note Description
Note 1	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.
Note 2	"Pure bio oil" was a new fuel type classification for 2021 and includes fuels referred to as "Pure vegetable oil" in previous years' reports.
Note 3	"HVO" (hydrotreated vegetable oil) was named "Biodiesel HVO" in previous pre-2021 reports.
Note 4	Development fuel Renewable Fuel Transport Certificates (dRTFC), and an associated obligation, were introduced in 2019.
Note 5	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.
Note 6	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
Note 7	Development Fuel RTFCs were introduced in 2019
Note 8	GHG savings percentage is calculated by comparing the carbon intensity of the renewable fuel to the carbon intensity of the fossil equivalent if that had been used instead. For comparison, this table uses 83.8 gCO ₂ /MJ for fossil fuels. Please note that this will change in statistical reports for 2022 onwards to 94 gCO ₂ /MJ, to reflect a better estimate being available.

RF0101: Volume of fuels in million litres (equivalent), by fuel type and supply period, United Kingdom, 2022 (fifth provisional)

This is the fifth provisional report, containing information received by the DfT as of the 3 August 2023.
This worksheet contains one table. Notes for this table can be seen in the Notes worksheet.
This table includes 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.
Some shorthand is used in this table, [low] = a figure less than 0.5 or a percentage less than 0.5% but not a real zero.
Supply periods start on the 15 of one month and end on the 14 of the next, except for January (start 1 end 14) and December (start 15 end 31).

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Renewable status	Fuel type	Jan	Jan to Feb	Feb to Mar	Mar to Apr	Apr to May	May to Jun	Jun to Jul	Jul to Aug	Aug to Sep	Sep to Oct	Oct to Nov	Nov to Dec	Dec	Total	Percent of all fuel supplied	Notes
Fossil fuel	Diesel	881	2,232	2,141	2,401	2,403	2,343	2,342	2,403	2,355	2,321	2,388	2,330	1,146	27,685		57% [x]
Fossil fuel	Low sulphur gas oil	153	382	370	299	166	180	203	242	231	202	142	138	69	2,775		6% [x]
Fossil fuel	MTBE (fossil portion)	[low]	[low]	[low]	[low]	[low]	[low]	[low]	[low]	[low]	[low]	[low]	[low]	0	[low]		0% [x]
Fossil fuel	Petrol	559	1,187	1,170	1,160	1,329	1,329	1,214	1,285	1,265	1,198	1,280	1,251	642	14,868		31% [x]
Fossil fuel	Total fossil fuel	1,593	3,801	3,681	3,860	3,897	3,851	3,759	3,930	3,850	3,720	3,810	3,719	1,856	45,328		93% [x]
Regular renewable fuel	Avtur (renewable)	0	2	0	5	3	0	13	6	2	3	4	5	5	48		[low] [x]
Regular renewable fuel	Bio Petrol	0	0	0	0	0	0	0	0	0	0	0	15	0	15		[low] [x]
Regular renewable fuel	Biobutane	0	0	0	[low]	0	0	[low]	0	0	[low]	0	0	[low]	[low]		0% [x]
Regular renewable fuel	Biodiesel ME	35	104	110	130	131	126	125	141	123	117	109	135	59	1,445		3% [x]
Regular renewable fuel	Bioethanol	40	91	88	93	99	107	111	111	115	107	110	111	57	1,240		3% [x]
Regular renewable fuel	Biomethane (compressed)	0	5	5	7	5	6	7	6	6	7	6	7	8	75		[low] [Note 1]
Regular renewable fuel	Biomethane (liquified)	0	3	3	7	3	3	9	3	3	12	3	3	13	64		[low] [Note 1]
Regular renewable fuel	Biopropane	0	0	0	11	0	0	9	0	0	3	0	0	5	28		[low] [Note 1]
Regular renewable fuel	Diesel (origin Bio)	0	0	0	[low]	[low]	1	1	1	1	1	1	1	[low]	8		[low] [x]
Regular renewable fuel	HVO	4	10	12	16	17	18	18	19	20	28	29	47	23	263		1% [Note 3]
Regular renewable fuel	Methanol (bio)	1	2	6	7	7	7	2	5	4	5	5	3	12	65		[low] [x]
Regular renewable fuel	Off road biodiesel	4	8	8	6	3	4	4	5	4	3	3	2	2	56		[low] [x]
Regular renewable fuel	Pure bio oil	0	[low]	0	[low]	[low]	[low]	[low]	[low]	[low]	[low]	[low]	[low]	1	3		[low] [Note 2]
Regular renewable fuel	Total regular renewable fuel	84	225	231	283	270	271	299	296	278	288	270	330	184	3,309		7% [x]
Development renewable fuel	Development diesel	0	[low]	[low]	[low]	[low]	[low]	[low]	9	[low]	[low]	[low]	[low]	7	18		[low] [x]
Development renewable fuel	Development petrol	[low]	[low]	[low]	[low]	[low]	[low]	[low]	5	[low]	[low]	[low]	[low]	4	10		[low] [x]
Development renewable fuel	Hydrogen	0	0	0	0	0	0	0	0	0	0	0	0	[low]	[low]		0% [Note 1]
Development renewable fuel	Total development renewable fuel	[low]	[low]	[low]	[low]	[low]	[low]	[low]	13	[low]	1	[low]	[low]	11	28		[low] [x]
Renewable fuel	Total renewable fuel	84	226	232	283	270	271	300	309	278	289	271	330	195	3,338		7% [x]
All fuel	Total all fuel	1,677	4,026	3,913	4,143	4,167	4,123	4,059	4,239	4,128	4,009	4,081	4,050	2,051	48,666		100% [x]

RF0102: Renewable Transport Fuel Certificates (RTFCs), number of certificates and related fuel volumes, by category and supply period, United Kingdom, 2022 (fifth provisional)

This is the fifth provisional report, containing information received by the DfT as of the 3 August 2023.
This worksheet contains one table. Notes for this table can be seen in the Notes worksheet.
This table includes 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.
Figures may include any RTFCs where a proposal of revocation has been issued but the RTFCs have not yet been revoked.
Some shorthand is used in this table, [low] = a figure less than 0.5 or a percentage less than 0.5% but not a real zero.
Supply periods start on the 15 of one month and end on the 14 of the next, except for January (start 1 end 14) and December (start 15 end 31).

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Measure	RTFC Category [Note 6]	Jan	Jan to Feb	Feb to Mar	Mar to Apr	Apr to May	May to Jun	Jun to Jul	Jul to Aug	Aug to Sep	Sep to Oct	Oct to Nov	Nov to Dec	Dec	Total	Of which were from double counting feedstocks	Notes
Number of RTFCs issued (millions)	Development Fuel	[low]	1	1	1	1	1	1	26	[low]	1	[low]	1	22	56		56 [Note 4]
Number of RTFCs issued (millions)	General	105	304	311	399	361	363	326	346	310	381	341	480	260	4,287		4,286 [x]
Number of RTFCs issued (millions)	Relevant Crop	31	73	76	83	72	89	136	121	120	94	97	83	52	1,127		0 [x]
Number of RTFCs issued (millions)	Total	137	378	388	483	433	453	462	494	431	477	438	564	334	5,470		4,342 [x]
Fuel volumes (RTFCs issued) (millions)	Development Fuel	[low]	[low]	[low]	[low]	[low]	[low]	[low]	13	[low]	1	[low]	[low]	11	28		28 [Note 4]
Fuel volumes (RTFCs issued) (millions)	General	53	152	155	200	180	181	163	173	155	191	171	240	130	2,144		2,143 [x]
Fuel volumes (RTFCs issued) (millions)	Relevant Crop	31	73	76	83	72	89	136	121	120	94	97	83	52	1,127		0 [x]
Fuel volumes (RTFCs issued) (millions)	Total	84	226	232	283	252	271	299	308	276	286	267	323	193	3,299		2,171 [x]
Total volume of renewable fuel	Total	84	226	232	283	270	271	300	309	278	289	271	330	195	3,338		[No Data] [x]
Percentage of renewable fuel to which RTFC	Percent	100%	100%	100%	100%	93%	100%	100%	99%	99%	99%	99%	98%	99%	99%		[No Data] [x]

RF0103: RTFC balances by obligation period: United Kingdom, 2018 to 2022 (fifth provisional)

This is the fifth provisional report, containing information received by the DfT as of the 3 August 2023.
This worksheet contains one table. Notes for this table can be seen in the Notes worksheet.
This table contains data on RTFCs issued to renewable fuel certified as sustainable.
Some shorthand is used in this table, [low] = a figure less than 0.5 or a percentage less than 0.5% but not a real zero.

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The values in this table are in the unit of certificates (millions)

Status	GHG saving category / RTFC category [Note 6]	2018 [Note 5]	2019	2020	2021	2022 (provisional)	Notes
Issued	Development Fuel	0	[low]	[low]	48	56	[Note 7]
Issued	General	2,085	3,677	3,878	3,937	4,287	[x]
Issued	Relevant Crop	478	841	598	614	1,127	[x]
Issued	Total Issued	2,563	4,518	4,476	4,600	5,470	[x]
Revoked	Development Fuel	0	0	0	0	0	[Note 7]
Revoked	General	4	2	3	98	[low]	[x]
Revoked	Relevant Crop	0	[low]	2	0	[low]	[x]
Revoked	Total Revoked	4	2	5	98	[low]	[x]
Redeemed	Development Fuel	0	[low]	[low]	44	0	[Note 7]
Redeemed	General	2,081	3,676	3,875	3,545	0	[x]
Redeemed	Relevant Crop	477	840	596	614	0	[x]
Redeemed	Total Redeemed	2,558	4,516	4,472	4,203	0	[x]
Still in existence	All categories	[low]	[low]	[low]	298	5,470	[x]

RF0104: RTFCs transferred by quarter, certificate category and RTFO account holder type: United Kingdom, RTFCs issued for the 2021 to 2022 (fifth provisional) periods

This is the fifth provisional report, containing information received by the DfT as of the 3 August 2023.

This worksheet contains one table. Notes for this table can be seen in the Notes worksheet.

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

Some shorthand is used in this table, [low] = a figure less than 0.5 or a percentage less than 0.5% but not a real zero.

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The values in this table are in the unit of certificates (millions)

Obligation period for which RTFCs were issued	Quarter in which transfer occurred	Account types	RTFC Category: Development Fuels	RTFC Category: General	RTFC Category: Relevant Crop	Total	Notes
2021	Q52 - Jan21 to Apr21	HO10 to HO10	0	0	0	0	0 [x]
2021	Q52 - Jan21 to Apr21	HO10 to HO930	0	0	0	0	0 [x]
2021	Q52 - Jan21 to Apr21	HO10 to Trader	0	0	0	0	0 [x]
2021	Q52 - Jan21 to Apr21	HO930 to HO10	0	0	[low]	[low]	[x]
2021	Q52 - Jan21 to Apr21	HO930 to HO930	0	0	0	0	0 [x]
2021	Q52 - Jan21 to Apr21	HO930 to Trader	0	[low]	0	[low]	[x]
2021	Q52 - Jan21 to Apr21	Trader to HO10	0	0	0	0	0 [x]
2021	Q52 - Jan21 to Apr21	Trader to HO930	0	0	0	0	0 [x]
2021	Q52 - Jan21 to Apr21	Trader to Trader	0	0	0	0	0 [x]
2021	Q52 - Jan21 to Apr21	All account types	0	[low]	[low]	[low]	[x]
2021	Q53 - Apr21 to Jul21	HO10 to HO10	0	41	14	55	[x]
2021	Q53 - Apr21 to Jul21	HO10 to HO930	0	0	4	4	[x]
2021	Q53 - Apr21 to Jul21	HO10 to Trader	0	28	0	28	[x]
2021	Q53 - Apr21 to Jul21	HO930 to HO10	0	31	[low]	31	[x]
2021	Q53 - Apr21 to Jul21	HO930 to HO930	0	4	0	4	[x]
2021	Q53 - Apr21 to Jul21	HO930 to Trader	0	1	0	1	[x]
2021	Q53 - Apr21 to Jul21	Trader to HO10	0	0	0	0	[x]
2021	Q53 - Apr21 to Jul21	Trader to HO930	0	0	0	0	[x]
2021	Q53 - Apr21 to Jul21	Trader to Trader	0	0	0	0	[x]
2021	Q53 - Apr21 to Jul21	All account types	0	105	18	123	[x]
2021	Q54 - Jul21 to Oct21	HO10 to HO10	0	159	30	189	[x]
2021	Q54 - Jul21 to Oct21	HO10 to HO930	0	0	0	0	[x]
2021	Q54 - Jul21 to Oct21	HO10 to Trader	0	109	0	109	[x]
2021	Q54 - Jul21 to Oct21	HO930 to HO10	0	58	[low]	58	[x]
2021	Q54 - Jul21 to Oct21	HO930 to HO930	0	11	0	11	[x]
2021	Q54 - Jul21 to Oct21	HO930 to Trader	0	[low]	0	[low]	[x]
2021	Q54 - Jul21 to Oct21	Trader to HO10	0	122	0	122	[x]
2021	Q54 - Jul21 to Oct21	Trader to HO930	0	0	0	0	[x]
2021	Q54 - Jul21 to Oct21	Trader to Trader	0	8	0	8	[x]
2021	Q54 - Jul21 to Oct21	All account types	0	466	30	496	[x]
2021	Q55 - Oct21 to Dec21	HO10 to HO10	0	305	77	382	[x]
2021	Q55 - Oct21 to Dec21	HO10 to HO930	0	0	3	3	[x]
2021	Q55 - Oct21 to Dec21	HO10 to Trader	0	134	10	144	[x]
2021	Q55 - Oct21 to Dec21	HO930 to HO10	0	54	14	68	[x]
2021	Q55 - Oct21 to Dec21	HO930 to HO930	0	0	1	1	[x]
2021	Q55 - Oct21 to Dec21	HO930 to Trader	0	10	0	10	[x]
2021	Q55 - Oct21 to Dec21	Trader to HO10	0	88	10	98	[x]

2021	Q55 - Oct21 to Dec21	Trader to HO930	0	0	0	0 [x]
2021	Q55 - Oct21 to Dec21	Trader to Trader	0	1	0	1 [x]
2021	Q55 - Oct21 to Dec21	All account types	0	592	115	707 [x]
2021	Q56 - Jan22 to Apr22	HO10 to HO10	0	385	148	532 [x]
2021	Q56 - Jan22 to Apr22	HO10 to HO930	0	7	1	7 [x]
2021	Q56 - Jan22 to Apr22	HO10 to Trader	0	139	0	139 [x]
2021	Q56 - Jan22 to Apr22	HO930 to HO10	0	153	33	187 [x]
2021	Q56 - Jan22 to Apr22	HO930 to HO930	0	23	0	23 [x]
2021	Q56 - Jan22 to Apr22	HO930 to Trader	0	8	0	8 [x]
2021	Q56 - Jan22 to Apr22	Trader to HO10	0	133	0	133 [x]
2021	Q56 - Jan22 to Apr22	Trader to HO930	0	0	0	0 [x]
2021	Q56 - Jan22 to Apr22	Trader to Trader	0	0	0	0 [x]
2021	Q56 - Jan22 to Apr22	All account types	0	849	182	1,030 [x]
2021	Q57 - Apr22 to Jul22	HO10 to HO10	[low]	343	74	417 [x]
2021	Q57 - Apr22 to Jul22	HO10 to HO930	0	0	0	0 [x]
2021	Q57 - Apr22 to Jul22	HO10 to Trader	1	431	[low]	432 [x]
2021	Q57 - Apr22 to Jul22	HO930 to HO10	0	26	8	33 [x]
2021	Q57 - Apr22 to Jul22	HO930 to HO930	0	8	0	8 [x]
2021	Q57 - Apr22 to Jul22	HO930 to Trader	[low]	2	0	2 [x]
2021	Q57 - Apr22 to Jul22	Trader to HO10	1	129	[low]	130 [x]
2021	Q57 - Apr22 to Jul22	Trader to HO930	0	0	0	0 [x]
2021	Q57 - Apr22 to Jul22	Trader to Trader	0	[low]	0	[low] [x]
2021	Q57 - Apr22 to Jul22	All account types	2	939	82	1,023 [x]
2021	Q58 - Jul22 to Oct22	HO10 to HO10	2	365	25	393 [x]
2021	Q58 - Jul22 to Oct22	HO10 to HO930	0	0	0	0 [x]
2021	Q58 - Jul22 to Oct22	HO10 to Trader	0	2	0	2 [x]
2021	Q58 - Jul22 to Oct22	HO930 to HO10	0	12	1	13 [x]
2021	Q58 - Jul22 to Oct22	HO930 to HO930	0	0	1	1 [x]
2021	Q58 - Jul22 to Oct22	HO930 to Trader	0	0	0	0 [x]
2021	Q58 - Jul22 to Oct22	Trader to HO10	[low]	394	[low]	394 [x]
2021	Q58 - Jul22 to Oct22	Trader to HO930	0	0	0	0 [x]
2021	Q58 - Jul22 to Oct22	Trader to Trader	0	0	0	0 [x]
2021	Q58 - Jul22 to Oct22	All account types	2	773	27	803 [x]
2021	Q59 - Oct22 to Dec22	HO10 to HO10	0	33	0	33 [x]
2021	Q59 - Oct22 to Dec22	HO10 to HO930	0	0	0	0 [x]
2021	Q59 - Oct22 to Dec22	HO10 to Trader	0	0	0	0 [x]
2021	Q59 - Oct22 to Dec22	HO930 to HO10	0	0	0	0 [x]
2021	Q59 - Oct22 to Dec22	HO930 to HO930	0	0	0	0 [x]
2021	Q59 - Oct22 to Dec22	HO930 to Trader	0	0	0	0 [x]
2021	Q59 - Oct22 to Dec22	Trader to HO10	0	0	0	0 [x]
2021	Q59 - Oct22 to Dec22	Trader to HO930	0	0	0	0 [x]
2021	Q59 - Oct22 to Dec22	Trader to Trader	0	0	0	0 [x]
2021	Q59 - Oct22 to Dec22	All account types	0	33	0	33 [x]
2021	Q60 - Jan23 to Apr23	HO10 to HO10	0	0	0	0 [x]
2021	Q60 - Jan23 to Apr23	HO10 to HO930	0	0	0	0 [x]
2021	Q60 - Jan23 to Apr23	HO10 to Trader	0	1	0	1 [x]
2021	Q60 - Jan23 to Apr23	HO930 to HO10	0	2	0	2 [x]
2021	Q60 - Jan23 to Apr23	HO930 to HO930	0	2	0	2 [x]
2021	Q60 - Jan23 to Apr23	HO930 to Trader	0	0	0	0 [x]

2021	Q60 - Jan23 to Apr23	Trader to HO10	0	1	0	1 [x]
2021	Q60 - Jan23 to Apr23	Trader to HO930	0	0	0	0 [x]
2021	Q60 - Jan23 to Apr23	Trader to Trader	0	0	0	0 [x]
2021	Q60 - Jan23 to Apr23	All account types	0	5	0	5 [x]
2021	Q61 - Apr23 to Jul23	HO10 to HO10	0	15	0	15 [x]
2021	Q61 - Apr23 to Jul23	HO10 to HO930	0	0	0	0 [x]
2021	Q61 - Apr23 to Jul23	HO10 to Trader	0	9	0	9 [x]
2021	Q61 - Apr23 to Jul23	HO930 to HO10	0	0	0	0 [x]
2021	Q61 - Apr23 to Jul23	HO930 to HO930	0	0	0	0 [x]
2021	Q61 - Apr23 to Jul23	HO930 to Trader	0	0	0	0 [x]
2021	Q61 - Apr23 to Jul23	Trader to HO10	0	0	0	0 [x]
2021	Q61 - Apr23 to Jul23	Trader to HO930	0	0	0	0 [x]
2021	Q61 - Apr23 to Jul23	Trader to Trader	0	0	0	0 [x]
2021	Q61 - Apr23 to Jul23	All account types	0	24	0	24 [x]
2021	All quarters	HO10 to HO10	3	1,646	367	2,016 [x]
2021	All quarters	HO10 to HO930	0	7	8	15 [x]
2021	All quarters	HO10 to Trader	1	852	10	864 [x]
2021	All quarters	HO930 to HO10	0	335	57	392 [x]
2021	All quarters	HO930 to HO930	0	48	2	50 [x]
2021	All quarters	HO930 to Trader	[low]	23	0	23 [x]
2021	All quarters	Trader to HO10	1	866	10	877 [x]
2021	All quarters	Trader to HO930	0	0	0	0 [x]
2021	All quarters	Trader to Trader	0	9	0	9 [x]
2021	All quarters	All account types	5	3,786	454	4,245 [x]
2022	Q56 - Jan22 to Apr22	HO10 to HO10	0	0	0	0 [x]
2022	Q56 - Jan22 to Apr22	HO10 to HO930	0	0	0	0 [x]
2022	Q56 - Jan22 to Apr22	HO10 to Trader	0	0	0	0 [x]
2022	Q56 - Jan22 to Apr22	HO930 to HO10	0	12	0	12 [x]
2022	Q56 - Jan22 to Apr22	HO930 to HO930	0	11	0	11 [x]
2022	Q56 - Jan22 to Apr22	HO930 to Trader	0	4	0	4 [x]
2022	Q56 - Jan22 to Apr22	Trader to HO10	0	[low]	0	[low] [x]
2022	Q56 - Jan22 to Apr22	Trader to HO930	0	0	0	0 [x]
2022	Q56 - Jan22 to Apr22	Trader to Trader	0	0	0	0 [x]
2022	Q56 - Jan22 to Apr22	All account types	0	28	0	28 [x]
2022	Q57 - Apr22 to Jul22	HO10 to HO10	0	42	19	61 [x]
2022	Q57 - Apr22 to Jul22	HO10 to HO930	0	0	0	0 [x]
2022	Q57 - Apr22 to Jul22	HO10 to Trader	0	75	0	75 [x]
2022	Q57 - Apr22 to Jul22	HO930 to HO10	0	13	3	15 [x]
2022	Q57 - Apr22 to Jul22	HO930 to HO930	0	7	0	7 [x]
2022	Q57 - Apr22 to Jul22	HO930 to Trader	0	19	0	19 [x]
2022	Q57 - Apr22 to Jul22	Trader to HO10	0	54	0	54 [x]
2022	Q57 - Apr22 to Jul22	Trader to HO930	0	0	0	0 [x]
2022	Q57 - Apr22 to Jul22	Trader to Trader	0	0	0	0 [x]
2022	Q57 - Apr22 to Jul22	All account types	0	210	22	232 [x]
2022	Q58 - Jul22 to Oct22	HO10 to HO10	0	93	72	165 [x]
2022	Q58 - Jul22 to Oct22	HO10 to HO930	0	0	0	0 [x]
2022	Q58 - Jul22 to Oct22	HO10 to Trader	0	128	0	128 [x]
2022	Q58 - Jul22 to Oct22	HO930 to HO10	0	50	2	51 [x]
2022	Q58 - Jul22 to Oct22	HO930 to HO930	0	22	0	22 [x]

2022	Q58 - Jul22 to Oct22	HO930 to Trader	0	14	0	14 [x]
2022	Q58 - Jul22 to Oct22	Trader to HO10	0	63	0	63 [x]
2022	Q58 - Jul22 to Oct22	Trader to HO930	0	2	0	2 [x]
2022	Q58 - Jul22 to Oct22	Trader to Trader	0	4	0	4 [x]
2022	Q58 - Jul22 to Oct22	All account types	0	376	74	450 [x]
2022	Q59 - Oct22 to Dec22	HO10 to HO10	0	233	252	485 [x]
2022	Q59 - Oct22 to Dec22	HO10 to HO930	0	17	0	17 [x]
2022	Q59 - Oct22 to Dec22	HO10 to Trader	0	437	26	463 [x]
2022	Q59 - Oct22 to Dec22	HO930 to HO10	0	104	5	109 [x]
2022	Q59 - Oct22 to Dec22	HO930 to HO930	0	38	0	38 [x]
2022	Q59 - Oct22 to Dec22	HO930 to Trader	0	3	0	3 [x]
2022	Q59 - Oct22 to Dec22	Trader to HO10	0	104	0	104 [x]
2022	Q59 - Oct22 to Dec22	Trader to HO930	0	0	0	0 [x]
2022	Q59 - Oct22 to Dec22	Trader to Trader	0	1	0	1 [x]
2022	Q59 - Oct22 to Dec22	All account types	0	937	283	1,220 [x]
2022	Q60 - Jan23 to Apr23	HO10 to HO10	0	744	250	995 [x]
2022	Q60 - Jan23 to Apr23	HO10 to HO930	0	0	0	0 [x]
2022	Q60 - Jan23 to Apr23	HO10 to Trader	0	640	39	679 [x]
2022	Q60 - Jan23 to Apr23	HO930 to HO10	0	87	1	88 [x]
2022	Q60 - Jan23 to Apr23	HO930 to HO930	0	28	0	28 [x]
2022	Q60 - Jan23 to Apr23	HO930 to Trader	0	9	0	9 [x]
2022	Q60 - Jan23 to Apr23	Trader to HO10	0	665	51	716 [x]
2022	Q60 - Jan23 to Apr23	Trader to HO930	0	1	0	1 [x]
2022	Q60 - Jan23 to Apr23	Trader to Trader	0	25	0	25 [x]
2022	Q60 - Jan23 to Apr23	All account types	0	2,200	341	2,541 [x]
2022	Q61 - Apr23 to Jul23	HO10 to HO10	0	525	245	770 [x]
2022	Q61 - Apr23 to Jul23	HO10 to HO930	0	0	0	0 [x]
2022	Q61 - Apr23 to Jul23	HO10 to Trader	0	1,382	333	1,715 [x]
2022	Q61 - Apr23 to Jul23	HO930 to HO10	0	17	8	25 [x]
2022	Q61 - Apr23 to Jul23	HO930 to HO930	0	6	2	8 [x]
2022	Q61 - Apr23 to Jul23	HO930 to Trader	0	6	[low]	6 [x]
2022	Q61 - Apr23 to Jul23	Trader to HO10	0	628	66	694 [x]
2022	Q61 - Apr23 to Jul23	Trader to HO930	0	[low]	0	[low] [x]
2022	Q61 - Apr23 to Jul23	Trader to Trader	0	1	0	1 [x]
2022	Q61 - Apr23 to Jul23	All account types	0	2,566	654	3,219 [x]
2022	All quarters	HO10 to HO10	0	1,639	838	2,476 [x]
2022	All quarters	HO10 to HO930	0	17	0	17 [x]
2022	All quarters	HO10 to Trader	0	2,661	398	3,060 [x]
2022	All quarters	HO930 to HO10	0	283	18	301 [x]
2022	All quarters	HO930 to HO930	0	113	2	115 [x]
2022	All quarters	HO930 to Trader	0	56	[low]	56 [x]
2022	All quarters	Trader to HO10	0	1,514	117	1,631 [x]
2022	All quarters	Trader to HO930	0	3	0	3 [x]
2022	All quarters	Trader to Trader	0	31	0	31 [x]
2022	All quarters	All account types	0	6,316	1,373	7,689 [x]

RF0105a: Carbon and sustainability data of renewable transport fuel: United Kingdom, 2022 (fifth provisional)

This is the fifth provisional report, containing information received by the DfT as of the 3 August 2023.
This worksheet contains one table. Notes for this table can be seen in the Notes worksheet.
This table contains data on RTFCs issued to renewable fuel certified as sustainable.
Some shorthand is used in this table, [low] = a figure less than 0.5 or a percentage less than 0.5% but not a real zero.
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Fuel type	Feedstock	Country of origin	RTFC Category [Note 6][Note 7]	Double counted feedstock?	Volume (million litres eq.) [Note 1]	Volume (% of fuel)	ILUC factor (gCO2e/MJ)	Carbon intensity excluding ILUC (gCO2e/MJ)	Carbon intensity including ILUC (gCO2e/MJ)	GHG savings % excl. ILUC (%) [Note 8]	GHG savings % incl. ILUC (%) [Note 8]
Avtur (renewable)	Food waste	United Kingdom	General	Yes	[low]	[low]	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Argentina	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Australia	General	Yes	[low]	0%	0	5	5	94%	94%
Avtur (renewable)	Used cooking oil	Azerbaijan	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Belgium	General	Yes	1	[low]	0	6	6	94%	94%
Avtur (renewable)	Used cooking oil	Canada	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Chile	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	China	General	Yes	20	1%	0	13	13	86%	86%
Avtur (renewable)	Used cooking oil	Colombia	General	Yes	[low]	[low]	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Czech Republic	General	Yes	[low]	[low]	0	9	9	90%	90%
Avtur (renewable)	Used cooking oil	Denmark	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Ecuador	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Egypt	General	Yes	[low]	[low]	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Estonia	General	Yes	[low]	[low]	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Finland	General	Yes	[low]	[low]	0	6	6	94%	94%
Avtur (renewable)	Used cooking oil	Georgia	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Germany	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Hong Kong	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Indonesia	General	Yes	2	[low]	0	12	12	88%	88%
Avtur (renewable)	Used cooking oil	Iraq	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Israel	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Italy	General	Yes	1	[low]	0	8	8	92%	92%
Avtur (renewable)	Used cooking oil	Japan	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Jordan	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Malaysia	General	Yes	11	[low]	0	5	5	94%	94%
Avtur (renewable)	Used cooking oil	Netherlands	General	Yes	1	[low]	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Paraguay	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Qatar	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Saudi Arabia	General	Yes	2	[low]	0	6	6	94%	94%
Avtur (renewable)	Used cooking oil	Singapore	General	Yes	[low]	[low]	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	South Africa	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Taiwan	General	Yes	1	[low]	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Thailand	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	United Arab Emirates	General	Yes	[low]	0%	0	7	7	92%	92%
Avtur (renewable)	Used cooking oil	United Kingdom	General	Yes	5	[low]	0	6	6	94%	94%
Avtur (renewable)	Used cooking oil	Uruguay	General	Yes	[low]	0%	0	5	5	95%	95%
Avtur (renewable)	Used cooking oil	Vietnam	General	Yes	[low]	[low]	0	15	15	84%	84%
Avtur (renewable) Total	All feedstocks	All countries	All certificates	All counting types	48	1%	0	9	9	90%	90%
Bio Petrol	Used cooking oil	China	General	Yes	1	[low]	0	5	5	95%	95%
Bio Petrol	Used cooking oil	Hong Kong	General	Yes	[low]	0%	0	5	5	95%	95%
Bio Petrol	Used cooking oil	Indonesia	General	Yes	1	[low]	0	5	5	95%	95%
Bio Petrol	Used cooking oil	Malaysia	General	Yes	9	[low]	0	5	5	95%	95%
Bio Petrol	Used cooking oil	Taiwan	General	Yes	1	[low]	0	5	5	95%	95%
Bio Petrol	Used cooking oil	United Kingdom	General	Yes	3	[low]	0	5	5	94%	94%
Bio Petrol Total	All feedstocks	All countries	All certificates	All counting types	15	[low]	0	5	5	95%	95%
Biobutane	Food waste	Poland	General	Yes	[low]	[low]	0	29	29	69%	69%
Biobutane	Food waste	Ukraine	General	Yes	[low]	[low]	0	25	25	73%	73%
Biobutane Total	All feedstocks	All countries	All certificates	All counting types	[low]	0%	0	27	27	71%	71%
Biodiesel ME	Brown grease	Argentina	General	Yes	[low]	0%	0	24	24	75%	75%
Biodiesel ME	Brown grease	Belgium	General	Yes	[low]	0%	0	24	24	75%	75%
Biodiesel ME	Brown grease	China	General	Yes	131	4%	0	12	12	88%	88%
Biodiesel ME	Brown grease	Germany	General	Yes	[low]	[low]	0	23	23	76%	76%
Biodiesel ME	Brown grease	United Kingdom	General	Yes	[low]	0%	0	24	24	75%	75%
Biodiesel ME	Crude glycerine	New Zealand	General	Yes	[low]	[low]	0	8	8	92%	92%
Biodiesel ME	Crude glycerine	United Kingdom	General	Yes	1	[low]	0	15	15	84%	84%
Biodiesel ME	Empty palm fruit bunches	Indonesia	General	Yes	5	[low]	0	35	35	63%	63%
Biodiesel ME	Food waste	Belgium	General	Yes	[low]	0%	0	13	13	86%	86%
Biodiesel ME	Food waste	Ireland, Republic of	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Food waste	Spain	General	Yes	1	[low]	0	27	27	71%	71%
Biodiesel ME	Food waste	United Kingdom	General	Yes	5	[low]	0	15	15	84%	84%
Biodiesel ME	Oilseed rape	France	Relevant Crop	No	[low]	[low]	55	39	94	59%	1%
Biodiesel ME	Oilseed rape	Germany	Relevant Crop	No	4	[low]	55	31	86	67%	9%
Biodiesel ME	Oilseed rape	Latvia	Relevant Crop	No	[low]	0%	55	35	90	63%	4%

Biodiesel ME	Oilseed rape	Slovakia	Relevant Crop	No	1	[low]	55	37	92	61%	2%
Biodiesel ME	Palm	Indonesia	Relevant Crop	No	24	1%	55	34	89	64%	6%
Biodiesel ME	Palm	Malaysia	Relevant Crop	No	9	[low]	55	36	91	62%	3%
Biodiesel ME	Palm oil mill effluent	Cote d'Ivoire (Ivory Coast)	General	Yes	[low]	[low]	0	22	22	76%	76%
Biodiesel ME	Palm oil mill effluent	Ecuador	General	Yes	[low]	[low]	0	23	23	75%	75%
Biodiesel ME	Palm oil mill effluent	Guatemala	General	Yes	[low]	0%	0	20	20	79%	79%
Biodiesel ME	Palm oil mill effluent	Indonesia	General	Yes	19	1%	0	18	18	81%	81%
Biodiesel ME	Palm oil mill effluent	Malaysia	General	Yes	19	1%	0	14	14	85%	85%
Biodiesel ME	Palm oil mill effluent	Mexico	General	Yes	[low]	[low]	0	21	21	77%	77%
Biodiesel ME	Palm oil mill effluent	Panama	General	Yes	[low]	0%	0	21	21	78%	78%
Biodiesel ME	Poultry feather acid oil	Spain	General	Yes	1	[low]	0	30	30	68%	68%
Biodiesel ME	Sewage system FOG	United Kingdom	General	Yes	[low]	[low]	0	11	11	88%	88%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Argentina	General	Yes	7	[low]	0	21	21	78%	78%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Austria	General	Yes	[low]	0%	0	19	19	80%	80%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Belgium	General	Yes	1	[low]	0	18	18	80%	80%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Brazil	General	Yes	[low]	[low]	0	22	22	76%	76%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Bulgaria	General	Yes	[low]	0%	0	20	20	79%	79%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Czech Republic	General	Yes	1	[low]	0	18	18	81%	81%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Ecuador	General	Yes	[low]	[low]	0	20	20	78%	78%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Egypt	General	Yes	1	[low]	0	27	27	71%	71%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Finland	General	Yes	[low]	0%	0	23	23	76%	76%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	France	General	Yes	1	[low]	0	18	18	81%	81%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Germany	General	Yes	2	[low]	0	16	16	84%	84%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Greece	General	Yes	[low]	0%	0	19	19	80%	80%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Hungary	General	Yes	1	[low]	0	21	21	78%	78%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Indonesia	General	Yes	[low]	[low]	0	18	18	81%	81%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Iran	General	Yes	[low]	0%	0	15	15	84%	84%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Ireland, Republic of	General	Yes	[low]	[low]	0	14	14	85%	85%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Italy	General	Yes	3	[low]	0	20	20	79%	79%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Morocco	General	Yes	1	[low]	0	16	16	83%	83%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Netherlands	General	Yes	4	[low]	0	18	18	81%	81%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	South Africa	General	Yes	1	[low]	0	21	21	78%	78%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Spain	General	Yes	5	[low]	0	16	16	83%	83%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Tunisia	General	Yes	[low]	0%	0	19	19	80%	80%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Turkey	General	Yes	1	[low]	0	18	18	80%	80%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	Ukraine	General	Yes	[low]	0%	0	21	21	78%	78%
Biodiesel ME	Soapstock acid oil contaminated with sulphur	United Kingdom	General	Yes	2	[low]	0	19	19	79%	79%
Biodiesel ME	Soy	Argentina	Relevant Crop	No	50	2%	55	36	91	62%	3%
Biodiesel ME	Soy	Brazil	Relevant Crop	No	13	[low]	55	30	85	68%	10%
Biodiesel ME	Soy	Czech Republic	Relevant Crop	No	[low]	0%	55	40	95	57%	-[low]
Biodiesel ME	Soy	Greece	Relevant Crop	No	1	[low]	55	37	92	61%	2%
Biodiesel ME	Spent bleaching earth	Argentina	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Tallow - category 1	Finland	General	Yes	[low]	0%	0	21	21	78%	78%
Biodiesel ME	Tallow - category 1	France	General	Yes	[low]	[low]	0	21	21	78%	78%
Biodiesel ME	Tallow - category 1	Germany	General	Yes	[low]	0%	0	21	21	78%	78%
Biodiesel ME	Tallow - category 1	Hungary	General	Yes	[low]	0%	0	18	18	80%	80%
Biodiesel ME	Tallow - category 1	Ireland, Republic of	General	Yes	6	[low]	0	20	20	78%	78%
Biodiesel ME	Tallow - category 1	Israel	General	Yes	[low]	0%	0	21	21	78%	78%
Biodiesel ME	Tallow - category 1	Italy	General	Yes	[low]	0%	0	21	21	78%	78%
Biodiesel ME	Tallow - category 1	Netherlands	General	Yes	1	[low]	0	21	21	78%	78%
Biodiesel ME	Tallow - category 1	Poland	General	Yes	1	[low]	0	18	18	81%	81%
Biodiesel ME	Tallow - category 1	Portugal	General	Yes	[low]	0%	0	21	21	78%	78%
Biodiesel ME	Tallow - category 1	Spain	General	Yes	[low]	[low]	0	17	17	82%	82%
Biodiesel ME	Tallow - category 1	Switzerland	General	Yes	[low]	[low]	0	17	17	82%	82%
Biodiesel ME	Tallow - category 1	United Kingdom	General	Yes	11	[low]	0	21	21	78%	78%
Biodiesel ME	Used cooking oil	Albania	General	Yes	[low]	0%	0	9	9	90%	90%
Biodiesel ME	Used cooking oil	Argentina	General	Yes	8	[low]	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Aruba	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Australia	General	Yes	5	[low]	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Austria	General	Yes	1	[low]	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Azerbaijan	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Bahamas	General	Yes	[low]	0%	0	9	9	90%	90%
Biodiesel ME	Used cooking oil	Bahrain	General	Yes	[low]	[low]	0	12	12	87%	87%
Biodiesel ME	Used cooking oil	Bangladesh	General	Yes	[low]	[low]	0	12	12	88%	88%
Biodiesel ME	Used cooking oil	Belarus	General	Yes	[low]	[low]	0	10	10	90%	90%
Biodiesel ME	Used cooking oil	Belgium	General	Yes	5	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Bolivia	General	Yes	[low]	0%	0	13	13	86%	86%
Biodiesel ME	Used cooking oil	Bosnia and Herzegovina	General	Yes	[low]	0%	0	9	9	90%	90%
Biodiesel ME	Used cooking oil	Brazil	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Bulgaria	General	Yes	1	[low]	0	12	12	87%	87%
Biodiesel ME	Used cooking oil	Cambodia	General	Yes	1	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Canada	General	Yes	5	[low]	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Chile	General	Yes	19	1%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	China	General	Yes	439	13%	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Colombia	General	Yes	3	[low]	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Cote d'Ivoire (Ivory Coast)	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Croatia	General	Yes	[low]	0%	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Cyprus	General	Yes	[low]	[low]	0	13	13	86%	86%
Biodiesel ME	Used cooking oil	Czech Republic	General	Yes	1	[low]	0	12	12	87%	87%

Biodiesel ME	Used cooking oil	Denmark	General	Yes	1	[low]	0	12	12	88%	88%
Biodiesel ME	Used cooking oil	Ecuador	General	Yes	[low]	[low]	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Egypt	General	Yes	11	[low]	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Estonia	General	Yes	1	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Finland	General	Yes	[low]	0%	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	France	General	Yes	5	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Georgia	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Germany	General	Yes	42	1%	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Greece	General	Yes	[low]	[low]	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Guatemala	General	Yes	[low]	0%	0	12	12	87%	87%
Biodiesel ME	Used cooking oil	Hong Kong	General	Yes	3	[low]	0	12	12	88%	88%
Biodiesel ME	Used cooking oil	India	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Indonesia	General	Yes	28	1%	0	13	13	86%	86%
Biodiesel ME	Used cooking oil	Iran	General	Yes	1	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Iraq	General	Yes	1	[low]	0	12	12	87%	87%
Biodiesel ME	Used cooking oil	Ireland, Republic of	General	Yes	1	[low]	0	14	14	85%	85%
Biodiesel ME	Used cooking oil	Israel	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Italy	General	Yes	5	[low]	0	14	14	85%	85%
Biodiesel ME	Used cooking oil	Japan	General	Yes	11	[low]	0	12	12	87%	87%
Biodiesel ME	Used cooking oil	Jordan	General	Yes	1	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Kuwait	General	Yes	2	[low]	0	12	12	87%	87%
Biodiesel ME	Used cooking oil	Latvia	General	Yes	[low]	0%	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Lebanon	General	Yes	1	[low]	0	12	12	88%	88%
Biodiesel ME	Used cooking oil	Lithuania	General	Yes	1	[low]	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Luxembourg	General	Yes	[low]	0%	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Malaysia	General	Yes	61	2%	0	13	13	86%	86%
Biodiesel ME	Used cooking oil	Mexico	General	Yes	[low]	[low]	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Morocco	General	Yes	1	[low]	0	9	9	90%	90%
Biodiesel ME	Used cooking oil	Netherlands	General	Yes	22	1%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	New Zealand	General	Yes	[low]	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	North Macedonia, Republic of	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Norway	General	Yes	[low]	0%	0	9	9	90%	90%
Biodiesel ME	Used cooking oil	Oman	General	Yes	[low]	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Pakistan	General	Yes	4	[low]	0	10	10	90%	90%
Biodiesel ME	Used cooking oil	Panama	General	Yes	1	[low]	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Paraguay	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Peru	General	Yes	4	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Philippines	General	Yes	1	[low]	0	13	13	86%	86%
Biodiesel ME	Used cooking oil	Poland	General	Yes	14	[low]	0	9	9	90%	90%
Biodiesel ME	Used cooking oil	Portugal	General	Yes	[low]	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Puerto Rico	General	Yes	[low]	0%	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Qatar	General	Yes	3	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Republic of Korea	General	Yes	21	1%	0	15	15	84%	84%
Biodiesel ME	Used cooking oil	Romania	General	Yes	[low]	[low]	0	6	6	93%	93%
Biodiesel ME	Used cooking oil	Russian Federation	General	Yes	20	1%	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Saudi Arabia	General	Yes	25	1%	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Serbia	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Singapore	General	Yes	28	1%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Slovakia	General	Yes	2	[low]	0	10	10	90%	90%
Biodiesel ME	Used cooking oil	Slovenia	General	Yes	[low]	0%	0	9	9	90%	90%
Biodiesel ME	Used cooking oil	South Africa	General	Yes	3	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Spain	General	Yes	20	1%	0	10	10	89%	89%
Biodiesel ME	Used cooking oil	Sri Lanka	General	Yes	[low]	0%	0	12	12	87%	87%
Biodiesel ME	Used cooking oil	Sweden	General	Yes	1	[low]	0	11	11	89%	89%
Biodiesel ME	Used cooking oil	Switzerland	General	Yes	[low]	0%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Taiwan	General	Yes	48	1%	0	15	15	84%	84%
Biodiesel ME	Used cooking oil	Thailand	General	Yes	26	1%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Tunisia	General	Yes	1	[low]	0	10	10	90%	90%
Biodiesel ME	Used cooking oil	Turkey	General	Yes	4	[low]	0	15	15	84%	84%
Biodiesel ME	Used cooking oil	Ukraine	General	Yes	28	1%	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	United Arab Emirates	General	Yes	10	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	United Kingdom	General	Yes	65	2%	0	12	12	87%	87%
Biodiesel ME	Used cooking oil	United States	General	Yes	23	1%	0	12	12	87%	87%
Biodiesel ME	Used cooking oil	Uruguay	General	Yes	1	[low]	0	11	11	88%	88%
Biodiesel ME	Used cooking oil	Vietnam	General	Yes	22	1%	0	12	12	88%	88%
Biodiesel ME	Waste pressings from production of vegetable oils	Argentina	General	Yes	2	[low]	0	14	14	85%	85%
Biodiesel ME	Waste pressings from production of vegetable oils	Belgium	General	Yes	[low]	[low]	0	13	13	86%	86%
Biodiesel ME	Waste pressings from production of vegetable oils	Indonesia	General	Yes	1	[low]	0	12	12	87%	87%
Biodiesel ME	Waste pressings from production of vegetable oils	Netherlands	General	Yes	1	[low]	0	16	16	83%	83%
Biodiesel ME	Waste pressings from production of vegetable oils	Portugal	General	Yes	[low]	0%	0	23	23	76%	76%
Biodiesel ME	Waste pressings from production of vegetable oils	Spain	General	Yes	26	1%	0	9	9	91%	91%
Biodiesel ME Total	All feedstocks	All countries	All certificates	All counting types	1,434	44%	4	13	17	86%	82%
Bioethanol	Corn	Argentina	Relevant Crop	No	10	[low]	12	22	34	77%	64%
Bioethanol	Corn	Bulgaria	Relevant Crop	No	4	[low]	12	21	33	78%	65%
Bioethanol	Corn	Canada	Relevant Crop	No	6	[low]	12	31	43	67%	55%
Bioethanol	Corn	Czech Republic	Relevant Crop	No	[low]	0%	12	23	35	76%	63%
Bioethanol	Corn	France	Relevant Crop	No	1	[low]	12	6	18	94%	81%
Bioethanol	Corn	Germany	Relevant Crop	No	[low]	0%	12	24	36	75%	62%

Bioethanol	Corn	Hungary	Relevant Crop	No	3	[low]	12	24	36	74%	61%
Bioethanol	Corn	Paraguay	Relevant Crop	No	24	1%	12	20	32	78%	66%
Bioethanol	Corn	Poland	Relevant Crop	No	45	1%	12	22	34	77%	64%
Bioethanol	Corn	Romania	Relevant Crop	No	69	2%	12	23	35	75%	62%
Bioethanol	Corn	Slovakia	Relevant Crop	No	1	[low]	12	25	37	74%	61%
Bioethanol	Corn	Ukraine	Relevant Crop	No	100	3%	12	22	34	77%	64%
Bioethanol	Corn	United Kingdom	Relevant Crop	No	[low]	0%	12	23	35	76%	63%
Bioethanol	Corn	United States	Relevant Crop	No	338	10%	12	38	50	60%	47%
Bioethanol	Ethanol from cleaning/extraction of blood plasma	Germany	General	Yes	1	[low]	0	22	22	76%	76%
Bioethanol	Ethanol from extraction from medicinal plants	Germany	General	Yes	1	[low]	0	25	25	74%	74%
Bioethanol	Food waste	Denmark	General	Yes	2	[low]	0	17	17	82%	82%
Bioethanol	Food waste	Finland	General	Yes	2	[low]	0	9	9	91%	91%
Bioethanol	Food waste	France	General	Yes	10	[low]	0	12	12	87%	87%
Bioethanol	Food waste	Germany	General	Yes	5	[low]	0	27	27	71%	71%
Bioethanol	Food waste	Hungary	General	Yes	14	[low]	0	8	8	91%	91%
Bioethanol	Food waste	Latvia	General	Yes	2	[low]	0	9	9	90%	90%
Bioethanol	Food waste	Lithuania	General	Yes	[low]	0%	0	9	9	90%	90%
Bioethanol	Food waste	Poland	General	Yes	16	1%	0	24	24	75%	75%
Bioethanol	Food waste	Sweden	General	Yes	17	1%	0	12	12	87%	87%
Bioethanol	Molasses	Brazil	Relevant Crop	No	8	[low]	13	24	37	75%	61%
Bioethanol	Starch slurry (regular)	Hungary	Relevant Crop	No	1	[low]	12	6	18	94%	81%
Bioethanol	Starch slurry (waste)	Austria	General	Yes	17	1%	0	1	1	99%	99%
Bioethanol	Starch slurry (waste)	Belgium	General	Yes	12	[low]	0	6	6	94%	94%
Bioethanol	Starch slurry (waste)	France	General	Yes	40	1%	0	13	13	86%	86%
Bioethanol	Starch slurry (waste)	Germany	General	Yes	14	[low]	0	-3	-3	103%	103%
Bioethanol	Starch slurry (waste)	Hungary	General	Yes	3	[low]	0	6	6	94%	94%
Bioethanol	Starch slurry (waste)	Lithuania	General	Yes	6	[low]	0	11	11	88%	88%
Bioethanol	Starch slurry (waste)	Netherlands	General	Yes	1	[low]	0	22	22	77%	77%
Bioethanol	Sugar beet	France	Relevant Crop	No	3	[low]	13	38	51	60%	46%
Bioethanol	Sugar beet	Germany	Relevant Crop	No	2	[low]	13	33	46	65%	51%
Bioethanol	Sugar beet	Ukraine	Relevant Crop	No	1	[low]	13	10	23	89%	76%
Bioethanol	Sugar beet betaine residue	Ukraine	General	Yes	1	[low]	0	0	0	100%	100%
Bioethanol	Sugar beet betaine residue	United Kingdom	General	Yes	53	2%	0	14	14	85%	85%
Bioethanol	Sugar beet tops, tails, chips & process water	Ukraine	General	Yes	10	[low]	0	11	11	88%	88%
Bioethanol	Sugar cane	Bolivia	Relevant Crop	No	1	[low]	13	29	42	69%	55%
Bioethanol	Sugar cane	Brazil	Relevant Crop	No	228	7%	13	28	41	70%	56%
Bioethanol	Sugar cane	Guatemala	Relevant Crop	No	3	[low]	13	29	42	69%	55%
Bioethanol	Sugar cane	United States	Relevant Crop	No	4	[low]	13	29	42	69%	55%
Bioethanol	Sweet sorghum	United States	Relevant Crop	No	1	[low]	12	23	35	76%	63%
Bioethanol	Wheat	Belgium	Relevant Crop	No	4	[low]	12	25	37	73%	61%
Bioethanol	Wheat	Czech Republic	Relevant Crop	No	3	[low]	12	23	35	76%	63%
Bioethanol	Wheat	France	Relevant Crop	No	3	[low]	12	27	39	71%	59%
Bioethanol	Wheat	Germany	Relevant Crop	No	5	[low]	12	25	37	73%	60%
Bioethanol	Wheat	Latvia	Relevant Crop	No	2	[low]	12	28	40	70%	57%
Bioethanol	Wheat	Lithuania	Relevant Crop	No	[low]	0%	12	23	35	76%	63%
Bioethanol	Wheat	United Kingdom	Relevant Crop	No	136	4%	12	19	31	80%	67%
Bioethanol Total	All feedstocks	All countries	All certificates	All counting types	1,233	37%	10	25	35	73%	62%
Biomethane (compressed)	Brown grease	Netherlands	General	Yes	4	[low]	0	9	9	91%	91%
Biomethane (compressed)	Crude glycerine	Netherlands	General	Yes	[low]	0%	0	10	10	89%	89%
Biomethane (compressed)	Crude glycerine	United Kingdom	General	Yes	[low]	0%	0	18	18	81%	81%
Biomethane (compressed)	Draff	United Kingdom	General	No	[low]	[low]	0	17	17	82%	82%
Biomethane (compressed)	Food waste	Austria	General	Yes	3	[low]	0	8	8	91%	91%
Biomethane (compressed)	Food waste	Czech Republic	General	Yes	[low]	0%	0	19	19	80%	80%
Biomethane (compressed)	Food waste	Denmark	General	Yes	[low]	[low]	0	9	9	91%	91%
Biomethane (compressed)	Food waste	Ireland, Republic of	General	Yes	[low]	[low]	0	17	17	82%	82%
Biomethane (compressed)	Food waste	Netherlands	General	Yes	2	[low]	0	8	8	91%	91%
Biomethane (compressed)	Food waste	Spain	General	Yes	1	[low]	0	9	9	90%	90%
Biomethane (compressed)	Food waste	Sweden	General	Yes	11	[low]	0	8	8	91%	91%
Biomethane (compressed)	Food waste	United Kingdom	General	Yes	18	1%	0	21	21	78%	78%
Biomethane (compressed)	Glycerol	United Kingdom	General	No	[low]	0%	0	18	18	81%	81%
Biomethane (compressed)	Husks	Belgium	General	Yes	[low]	[low]	0	18	18	81%	81%
Biomethane (compressed)	Husks	Denmark	General	Yes	[low]	0%	0	16	16	83%	83%
Biomethane (compressed)	Husks	Germany	General	Yes	[low]	0%	0	19	19	80%	80%
Biomethane (compressed)	Husks	Netherlands	General	Yes	[low]	[low]	0	17	17	82%	82%
Biomethane (compressed)	Organic municipal solid waste	Netherlands	General	Yes	9	[low]	0	16	16	83%	83%
Biomethane (compressed)	Organic municipal solid waste	Spain	General	Yes	10	[low]	0	13	13	87%	87%
Biomethane (compressed)	Pot Ale	United Kingdom	General	Yes	[low]	0%	0	17	17	82%	82%
Biomethane (compressed)	Pot Ale Syrup	United Kingdom	General	No	[low]	0%	0	17	17	82%	82%
Biomethane (compressed)	Rye silage	United Kingdom	Relevant Crop	No	[low]	0%	12	32	44	66%	53%
Biomethane (compressed)	Sewage sludge	Netherlands	General	Yes	[low]	[low]	0	22	22	76%	76%
Biomethane (compressed)	Sewage sludge	Spain	General	Yes	1	[low]	0	9	9	90%	90%
Biomethane (compressed)	Sewage sludge	Sweden	General	Yes	10	[low]	0	9	9	90%	90%
Biomethane (compressed)	Spent wheat grains	United Kingdom	General	No	[low]	0%	0	17	17	82%	82%
Biomethane (compressed)	Sugar beet betaine residue	Germany	General	Yes	[low]	0%	0	12	12	87%	87%
Biomethane (compressed)	Sugar beet tops, tails, chips & process water	Hungary	General	Yes	[low]	[low]	0	18	18	81%	81%
Biomethane (compressed)	Sugar beet tops, tails, chips & process water	Sweden	General	Yes	[low]	[low]	0	8	8	92%	92%
Biomethane (compressed)	Waste pressings from production of vegetable oils	Spain	General	Yes	[low]	[low]	0	8	8	91%	91%
Biomethane (compressed)	Waste pressings from production of vegetable oils	Sweden	General	Yes	[low]	0%	0	8	8	92%	92%

Biomethane (compressed)	Wet manure	Austria	General	Yes	[low]	[low]	0	-23	-23	125%	125%
Biomethane (compressed)	Wet manure	Ireland, Republic of	General	Yes	[low]	[low]	0	-26	-26	128%	128%
Biomethane (compressed) Total	All feedstocks	All countries	All certificates	All counting types	73	2%	0	13	13	86%	86%
Biomethane (liquefied)	Arable (rotational) grass	Germany	Relevant Crop	No	[low]	0%	12	40	52	58%	45%
Biomethane (liquefied)	Brown grease	Czech Republic	General	Yes	[low]	0%	0	25	25	73%	73%
Biomethane (liquefied)	Brown grease	Netherlands	General	Yes	3	[low]	0	17	17	82%	82%
Biomethane (liquefied)	Corn	Germany	Relevant Crop	No	4	[low]	12	36	48	62%	49%
Biomethane (liquefied)	Crude glycerine	Denmark	General	Yes	[low]	0%	0	31	31	67%	67%
Biomethane (liquefied)	Crude glycerine	Germany	General	Yes	[low]	0%	0	23	23	76%	76%
Biomethane (liquefied)	Crude glycerine	Netherlands	General	Yes	1	[low]	0	23	23	76%	76%
Biomethane (liquefied)	Dry manure	Netherlands	General	Yes	2	[low]	0	-62	-62	166%	166%
Biomethane (liquefied)	Dry manure	Slovakia	General	Yes	2	[low]	0	-69	-69	173%	173%
Biomethane (liquefied)	Dry manure	United Kingdom	General	Yes	1	[low]	0	-61	-61	164%	164%
Biomethane (liquefied)	Food waste	Austria	General	Yes	[low]	0%	0	9	9	90%	90%
Biomethane (liquefied)	Food waste	Czech Republic	General	Yes	1	[low]	0	23	23	75%	75%
Biomethane (liquefied)	Food waste	France	General	Yes	[low]	0%	0	28	28	70%	70%
Biomethane (liquefied)	Food waste	Germany	General	Yes	[low]	[low]	0	28	28	70%	70%
Biomethane (liquefied)	Food waste	Ireland, Republic of	General	Yes	1	[low]	0	20	20	79%	79%
Biomethane (liquefied)	Food waste	Netherlands	General	Yes	5	[low]	0	23	23	76%	76%
Biomethane (liquefied)	Food waste	Spain	General	Yes	[low]	0%	0	30	30	68%	68%
Biomethane (liquefied)	Food waste	Sweden	General	Yes	3	[low]	0	17	17	82%	82%
Biomethane (liquefied)	Food waste	United Kingdom	General	Yes	10	[low]	0	25	25	73%	73%
Biomethane (liquefied)	Husks	Belgium	General	Yes	[low]	[low]	0	22	22	77%	77%
Biomethane (liquefied)	Husks	Denmark	General	Yes	[low]	0%	0	23	23	76%	76%
Biomethane (liquefied)	Husks	Germany	General	Yes	[low]	0%	0	23	23	76%	76%
Biomethane (liquefied)	Husks	Netherlands	General	Yes	[low]	[low]	0	28	28	70%	70%
Biomethane (liquefied)	Municipal grass cuttings	Sweden	General	Yes	[low]	0%	0	16	16	83%	83%
Biomethane (liquefied)	Nut shells	Netherlands	General	Yes	2	[low]	0	24	24	75%	75%
Biomethane (liquefied)	Organic municipal solid waste	Netherlands	General	Yes	3	[low]	0	24	24	74%	74%
Biomethane (liquefied)	Sewage sludge	Belgium	General	Yes	[low]	[low]	0	29	29	69%	69%
Biomethane (liquefied)	Sewage sludge	Czech Republic	General	Yes	[low]	0%	0	25	25	73%	73%
Biomethane (liquefied)	Sewage sludge	Netherlands	General	Yes	1	[low]	0	25	25	74%	74%
Biomethane (liquefied)	Sewage sludge	United Kingdom	General	Yes	6	[low]	0	24	24	75%	75%
Biomethane (liquefied)	Sugar beet tops, tails, chips & process water	Hungary	General	Yes	1	[low]	0	21	21	77%	77%
Biomethane (liquefied)	Sugar beet tops, tails, chips & process water	Sweden	General	Yes	[low]	[low]	0	11	11	88%	88%
Biomethane (liquefied)	Waste pressings from production of vegetable oils	Spain	General	Yes	[low]	0%	0	11	11	88%	88%
Biomethane (liquefied)	Waste pressings from production of vegetable oils	Sweden	General	Yes	[low]	0%	0	11	11	88%	88%
Biomethane (liquefied)	Wet manure	Ireland, Republic of	General	Yes	[low]	0%	0	-24	-24	126%	126%
Biomethane (liquefied)	Wet manure	Netherlands	General	Yes	4	[low]	0	-74	-74	179%	179%
Biomethane (liquefied)	Whole crop rye	Germany	Relevant Crop	No	[low]	[low]	12	41	53	57%	44%
Biomethane (liquefied) Total	All feedstocks	All countries	All certificates	All counting types	54	2%	1	8	9	91%	90%
Biopropane	End of life tyres (renewable component)	Poland	General	Yes	[low]	0%	0	17	17	82%	82%
Biopropane	Food waste	Poland	General	Yes	[low]	[low]	0	29	29	69%	69%
Biopropane	Food waste	Ukraine	General	Yes	[low]	0%	0	25	25	73%	73%
Biopropane	Food waste	United Kingdom	General	Yes	[low]	[low]	0	5	5	95%	95%
Biopropane	Palm	Indonesia	Relevant Crop	No	13	[low]	55	22	77	77%	18%
Biopropane	Palm fatty acid distillate	Indonesia	Relevant Crop	No	[low]	[low]	55	5	60	95%	36%
Biopropane	Used cooking oil	Argentina	General	Yes	[low]	[low]	0	4	4	95%	95%
Biopropane	Used cooking oil	Australia	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Azerbaijan	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Belgium	General	Yes	[low]	[low]	0	8	8	92%	92%
Biopropane	Used cooking oil	Canada	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Chile	General	Yes	[low]	0%	0	4	4	96%	96%
Biopropane	Used cooking oil	China	General	Yes	2	[low]	0	5	5	95%	95%
Biopropane	Used cooking oil	Colombia	General	Yes	[low]	0%	0	5	5	94%	94%
Biopropane	Used cooking oil	Denmark	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Ecuador	General	Yes	[low]	0%	0	4	4	95%	95%
Biopropane	Used cooking oil	Egypt	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Estonia	General	Yes	[low]	0%	0	4	4	96%	96%
Biopropane	Used cooking oil	France	General	Yes	[low]	0%	0	12	12	87%	87%
Biopropane	Used cooking oil	Germany	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Hong Kong	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Indonesia	General	Yes	1	[low]	0	5	5	95%	95%
Biopropane	Used cooking oil	Iraq	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Ireland, Republic of	General	Yes	[low]	[low]	0	4	4	96%	96%
Biopropane	Used cooking oil	Israel	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Japan	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Jordan	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Lithuania	General	Yes	[low]	0%	0	9	9	90%	90%
Biopropane	Used cooking oil	Malaysia	General	Yes	5	[low]	0	5	5	95%	95%
Biopropane	Used cooking oil	Netherlands	General	Yes	[low]	[low]	0	5	5	95%	95%
Biopropane	Used cooking oil	Panama	General	Yes	[low]	0%	0	4	4	96%	96%
Biopropane	Used cooking oil	Paraguay	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Poland	General	Yes	[low]	0%	0	9	9	90%	90%
Biopropane	Used cooking oil	Saudi Arabia	General	Yes	[low]	[low]	0	5	5	95%	95%
Biopropane	Used cooking oil	Singapore	General	Yes	[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	South Africa	General	Yes	[low]	0%	0	6	6	93%	93%

Biopropane	Used cooking oil	Spain	General	Yes		[low]	[low]	0	4	4	96%	96%
Biopropane	Used cooking oil	Sweden	General	Yes		[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	Taiwan	General	Yes		[low]	[low]	0	5	5	95%	95%
Biopropane	Used cooking oil	Thailand	General	Yes		[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	United Arab Emirates	General	Yes		[low]	0%	0	5	5	95%	95%
Biopropane	Used cooking oil	United Kingdom	General	Yes	4		[low]	0	6	6	94%	94%
Biopropane	Used cooking oil	Uruguay	General	Yes		[low]	0%	0	5	5	94%	94%
Biopropane	Used cooking oil	Vietnam	General	Yes		[low]	0%	0	5	5	95%	95%
Biopropane Total	All feedstocks	All countries	All certificates	All counting types	28		1%	26	13	39	86%	58%
Development diesel	End of life tyres (renewable component)	Poland	Development Fuel	Yes	2		[low]	0	17	17	82%	82%
Development diesel	End of life tyres (renewable component)	Sweden	Development Fuel	Yes		[low]	0%	0	17	17	82%	82%
Development diesel	Organic municipal solid waste	United States	Development Fuel	Yes	16		[low]	0	30	30	68%	68%
Development diesel Total	All feedstocks	All countries	All certificates	All counting types	18		1%	0	28	28	70%	70%
Development petrol	End of life tyres (renewable component)	Poland	Development Fuel	Yes	2		[low]	0	17	17	82%	82%
Development petrol	End of life tyres (renewable component)	Sweden	Development Fuel	Yes		[low]	0%	0	17	17	82%	82%
Development petrol	Food waste	Poland	Development Fuel	Yes		[low]	[low]	0	22	22	77%	77%
Development petrol	Organic municipal solid waste	United States	Development Fuel	Yes	8		[low]	0	30	30	68%	68%
Development petrol Total	All feedstocks	All countries	All certificates	All counting types	10		[low]	0	27	27	71%	71%
Diesel (origin Bio)	Forestry residues	France	General	Yes	7		[low]	0	6	6	94%	94%
Diesel (origin Bio)	Rapeseed residue single counting	Netherlands	General	No		[low]	[low]	0	6	6	94%	94%
Diesel (origin Bio)	Salmon oil - cat 1&2	United Kingdom	General	Yes		[low]	0%	0	6	6	94%	94%
Diesel (origin Bio)	Used cooking oil	United Kingdom	General	Yes	1		[low]	0	7	7	93%	93%
Diesel (origin Bio) Total	All feedstocks	All countries	All certificates	All counting types	8		[low]	0	6	6	94%	94%
HVO	Brown grease	China	General	Yes	1		[low]	0	16	16	83%	83%
HVO	Food waste	Belgium	General	Yes	3		[low]	0	7	7	92%	92%
HVO	Food waste	France	General	Yes		[low]	[low]	0	8	8	92%	92%
HVO	Food waste	Germany	General	Yes		[low]	[low]	0	7	7	93%	93%
HVO	Food waste	Netherlands	General	Yes		[low]	0%	0	5	5	95%	95%
HVO	Food waste	Poland	General	Yes		[low]	[low]	0	6	6	94%	94%
HVO	Food waste	Spain	General	Yes		[low]	0%	0	18	18	81%	81%
HVO	Food waste	United Kingdom	General	Yes	3		[low]	0	8	8	91%	91%
HVO	Palm oil mill effluent	Indonesia	General	Yes	25		1%	0	13	13	86%	86%
HVO	Palm oil mill effluent	Malaysia	General	Yes	41		1%	0	12	12	87%	87%
HVO	Tallow - category 1	Austria	General	Yes		[low]	0%	0	15	15	84%	84%
HVO	Tallow - category 1	Belgium	General	Yes		[low]	0%	0	12	12	87%	87%
HVO	Tallow - category 1	Germany	General	Yes	1		[low]	0	14	14	85%	85%
HVO	Tallow - category 1	Poland	General	Yes		[low]	[low]	0	15	15	84%	84%
HVO	Used cooking oil	Australia	General	Yes	3		[low]	0	5	5	94%	94%
HVO	Used cooking oil	Belgium	General	Yes		[low]	[low]	0	5	5	95%	95%
HVO	Used cooking oil	Chile	General	Yes	3		[low]	0	16	16	83%	83%
HVO	Used cooking oil	China	General	Yes	66		2%	0	9	9	91%	91%
HVO	Used cooking oil	Czech Republic	General	Yes		[low]	[low]	0	5	5	95%	95%
HVO	Used cooking oil	Ecuador	General	Yes		[low]	0%	0	10	10	89%	89%
HVO	Used cooking oil	Egypt	General	Yes		[low]	0%	0	16	16	83%	83%
HVO	Used cooking oil	Estonia	General	Yes		[low]	[low]	0	11	11	88%	88%
HVO	Used cooking oil	Finland	General	Yes		[low]	0%	0	13	13	87%	87%
HVO	Used cooking oil	France	General	Yes	29		1%	0	14	14	86%	86%
HVO	Used cooking oil	Hong Kong	General	Yes		[low]	0%	0	8	8	92%	92%
HVO	Used cooking oil	India	General	Yes		[low]	[low]	0	4	4	96%	96%
HVO	Used cooking oil	Indonesia	General	Yes	10		[low]	0	7	7	93%	93%
HVO	Used cooking oil	Ireland, Republic of	General	Yes		[low]	[low]	0	5	5	95%	95%
HVO	Used cooking oil	Italy	General	Yes	14		[low]	0	14	14	86%	86%
HVO	Used cooking oil	Japan	General	Yes	3		[low]	0	6	6	94%	94%
HVO	Used cooking oil	Jordan	General	Yes		[low]	[low]	0	8	8	91%	91%
HVO	Used cooking oil	Latvia	General	Yes		[low]	0%	0	4	4	96%	96%
HVO	Used cooking oil	Lebanon	General	Yes		[low]	0%	0	11	11	89%	89%
HVO	Used cooking oil	Lithuania	General	Yes		[low]	[low]	0	4	4	96%	96%
HVO	Used cooking oil	Malaysia	General	Yes	4		[low]	0	10	10	89%	89%
HVO	Used cooking oil	Mexico	General	Yes		[low]	0%	0	7	7	93%	93%
HVO	Used cooking oil	Netherlands	General	Yes	31		1%	0	13	13	86%	86%
HVO	Used cooking oil	New Zealand	General	Yes	1		[low]	0	5	5	95%	95%
HVO	Used cooking oil	Norway	General	Yes		[low]	0%	0	16	16	83%	83%
HVO	Used cooking oil	Peru	General	Yes		[low]	0%	0	9	9	90%	90%
HVO	Used cooking oil	Philippines	General	Yes		[low]	0%	0	5	5	95%	95%
HVO	Used cooking oil	Poland	General	Yes		[low]	0%	0	4	4	96%	96%
HVO	Used cooking oil	Portugal	General	Yes		[low]	[low]	0	15	15	84%	84%
HVO	Used cooking oil	Republic of Korea	General	Yes		[low]	[low]	0	5	5	95%	95%
HVO	Used cooking oil	Singapore	General	Yes		[low]	0%	0	16	16	83%	83%
HVO	Used cooking oil	South Africa	General	Yes	1		[low]	0	16	16	83%	83%
HVO	Used cooking oil	Spain	General	Yes	2		[low]	0	14	14	85%	85%
HVO	Used cooking oil	Sweden	General	Yes		[low]	0%	0	16	16	83%	83%
HVO	Used cooking oil	Thailand	General	Yes		[low]	0%	0	9	9	90%	90%
HVO	Used cooking oil	United Arab Emirates	General	Yes		[low]	0%	0	10	10	90%	90%
HVO	Used cooking oil	United Kingdom	General	Yes	10		[low]	0	9	9	91%	91%
HVO	Used cooking oil	United States	General	Yes	1		[low]	0	16	16	83%	83%

HVO	Used cooking oil	Vietnam	General	Yes	4	[low]	0	16	16	83%	83%
HVO Total	All feedstocks	All countries	All certificates	All counting types	258	8%	0	11	11	88%	88%
Methanol (bio)	Crude glycerine	Denmark	General	Yes	1	[low]	0	36	36	62%	62%
Methanol (bio)	Crude glycerine	Italy	General	Yes	[low]	0%	0	35	35	63%	63%
Methanol (bio)	Crude glycerine	United Kingdom	General	Yes	[low]	0%	0	41	41	56%	56%
Methanol (bio)	Dry manure	Denmark	General	Yes	2	[low]	0	-110	-110	217%	217%
Methanol (bio)	Dry manure	Netherlands	General	Yes	2	[low]	0	24	24	75%	75%
Methanol (bio)	Food waste	Belgium	General	Yes	[low]	[low]	0	35	35	63%	63%
Methanol (bio)	Food waste	United Kingdom	General	Yes	3	[low]	0	41	41	56%	56%
Methanol (bio)	Food waste	United States	General	Yes	5	[low]	0	38	38	60%	60%
Methanol (bio)	Organic municipal solid waste	Netherlands	General	Yes	1	[low]	0	34	34	64%	64%
Methanol (bio)	Organic municipal solid waste	Spain	General	Yes	[low]	[low]	0	26	26	72%	72%
Methanol (bio)	Organic municipal solid waste	United States	General	Yes	26	1%	0	38	38	60%	60%
Methanol (bio)	Sewage sludge	United Kingdom	General	Yes	2	[low]	0	31	31	67%	67%
Methanol (bio)	Sewage sludge	United States	General	Yes	3	[low]	0	38	38	60%	60%
Methanol (bio)	Starch slurry (waste)	United States	General	Yes	1	[low]	0	38	38	60%	60%
Methanol (bio)	Straw	Denmark	General	Yes	1	[low]	0	37	37	61%	61%
Methanol (bio)	Waste pressings from production of vegetable oils	Italy	General	Yes	[low]	0%	0	35	35	63%	63%
Methanol (bio)	Waste pressings from production of vegetable oils	United Kingdom	General	Yes	[low]	[low]	0	36	36	62%	62%
Methanol (bio)	Waste pressings from production of vegetable oils	United States	General	Yes	16	[low]	0	38	38	60%	60%
Methanol (bio)	Wet manure	Denmark	General	Yes	1	[low]	0	-133	-133	242%	242%
Methanol (bio)	Wet manure	Netherlands	General	Yes	[low]	0%	0	-86	-86	192%	192%
Methanol (bio) Total	All feedstocks	All countries	All certificates	All counting types	63	2%	0	31	31	67%	67%
Off road biodiesel	Brown grease	China	General	Yes	2	[low]	0	10	10	90%	90%
Off road biodiesel	Crude glycerine	United Kingdom	General	Yes	[low]	[low]	0	15	15	84%	84%
Off road biodiesel	Forestry residues	France	General	Yes	[low]	[low]	0	6	6	94%	94%
Off road biodiesel	Palm	Malaysia	Relevant Crop	No	1	[low]	55	36	91	62%	3%
Off road biodiesel	Palm oil mill effluent	Indonesia	General	Yes	[low]	[low]	0	13	13	86%	86%
Off road biodiesel	Soy	Argentina	Relevant Crop	No	1	[low]	55	36	91	62%	3%
Off road biodiesel	Tallow - category 1	Ireland, Republic of	General	Yes	3	[low]	0	21	21	78%	78%
Off road biodiesel	Tallow - category 1	United Kingdom	General	Yes	2	[low]	0	21	21	78%	78%
Off road biodiesel	Used cooking oil	Argentina	General	Yes	[low]	[low]	0	12	12	87%	87%
Off road biodiesel	Used cooking oil	Australia	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Bahrain	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Belgium	General	Yes	[low]	[low]	0	11	11	89%	89%
Off road biodiesel	Used cooking oil	Bolivia	General	Yes	[low]	0%	0	12	12	87%	87%
Off road biodiesel	Used cooking oil	Bulgaria	General	Yes	[low]	0%	0	13	13	87%	87%
Off road biodiesel	Used cooking oil	Cambodia	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Canada	General	Yes	[low]	[low]	0	12	12	88%	88%
Off road biodiesel	Used cooking oil	Chile	General	Yes	1	[low]	0	11	11	89%	89%
Off road biodiesel	Used cooking oil	China	General	Yes	15	[low]	0	10	10	89%	89%
Off road biodiesel	Used cooking oil	Colombia	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Denmark	General	Yes	[low]	0%	0	9	9	90%	90%
Off road biodiesel	Used cooking oil	Ecuador	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Egypt	General	Yes	1	[low]	0	10	10	89%	89%
Off road biodiesel	Used cooking oil	Finland	General	Yes	[low]	0%	0	9	9	90%	90%
Off road biodiesel	Used cooking oil	France	General	Yes	[low]	0%	0	10	10	89%	89%
Off road biodiesel	Used cooking oil	Germany	General	Yes	3	[low]	0	10	10	89%	89%
Off road biodiesel	Used cooking oil	Greece	General	Yes	[low]	[low]	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Indonesia	General	Yes	1	[low]	0	14	14	85%	85%
Off road biodiesel	Used cooking oil	Iran	General	Yes	[low]	[low]	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Iraq	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Ireland, Republic of	General	Yes	[low]	[low]	0	15	15	84%	84%
Off road biodiesel	Used cooking oil	Israel	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Japan	General	Yes	1	[low]	0	15	15	84%	84%
Off road biodiesel	Used cooking oil	Jordan	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Kuwait	General	Yes	[low]	0%	0	14	14	85%	85%
Off road biodiesel	Used cooking oil	Malaysia	General	Yes	4	[low]	0	14	14	85%	85%
Off road biodiesel	Used cooking oil	Mexico	General	Yes	[low]	0%	0	11	11	89%	89%
Off road biodiesel	Used cooking oil	Netherlands	General	Yes	1	[low]	0	9	9	90%	90%
Off road biodiesel	Used cooking oil	North Macedonia, Republic of	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Norway	General	Yes	[low]	0%	0	9	9	90%	90%
Off road biodiesel	Used cooking oil	Pakistan	General	Yes	[low]	0%	0	8	8	92%	92%
Off road biodiesel	Used cooking oil	Panama	General	Yes	[low]	[low]	0	10	10	89%	89%
Off road biodiesel	Used cooking oil	Peru	General	Yes	[low]	0%	0	10	10	90%	90%
Off road biodiesel	Used cooking oil	Poland	General	Yes	[low]	[low]	0	10	10	90%	90%
Off road biodiesel	Used cooking oil	Qatar	General	Yes	[low]	[low]	0	12	12	88%	88%
Off road biodiesel	Used cooking oil	Republic of Korea	General	Yes	[low]	0%	0	15	15	84%	84%
Off road biodiesel	Used cooking oil	Russian Federation	General	Yes	1	[low]	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Saudi Arabia	General	Yes	3	[low]	0	10	10	89%	89%
Off road biodiesel	Used cooking oil	Singapore	General	Yes	1	[low]	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Slovakia	General	Yes	[low]	0%	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	Spain	General	Yes	[low]	0%	0	14	14	85%	85%
Off road biodiesel	Used cooking oil	Sweden	General	Yes	[low]	0%	0	9	9	90%	90%
Off road biodiesel	Used cooking oil	Taiwan	General	Yes	2	[low]	0	15	15	85%	85%
Off road biodiesel	Used cooking oil	Thailand	General	Yes	1	[low]	0	11	11	89%	89%
Off road biodiesel	Used cooking oil	Turkey	General	Yes	[low]	[low]	0	15	15	85%	85%

Off road biodiesel	Used cooking oil	Ukraine	General	Yes	1	[low]	0	15	15	84%	84%
Off road biodiesel	Used cooking oil	United Arab Emirates	General	Yes	[low]	[low]	0	11	11	88%	88%
Off road biodiesel	Used cooking oil	United Kingdom	General	Yes	6	[low]	0	12	12	87%	87%
Off road biodiesel	Used cooking oil	United States	General	Yes	[low]	0%	0	12	12	88%	88%
Off road biodiesel	Used cooking oil	Vietnam	General	Yes	1	[low]	0	13	13	86%	86%
Off road biodiesel Total	All feedstocks	All countries	All certificates	All counting types	55	2%	2	13	15	86%	84%
Pure bio oil	Cashew nut shell liquid	Vietnam	General	Yes	[low]	0%	0	5	5	95%	95%
Pure bio oil	Salmon oil - cat 1&2	Norway	General	Yes	[low]	[low]	0	2	2	98%	98%
Pure bio oil	Used cooking oil	United Kingdom	General	Yes	2	[low]	0	4	4	96%	96%
Pure bio oil Total	All feedstocks	All countries	All certificates	All counting types	3	[low]	0	3	3	96%	96%
Grand Total	All feedstocks	All countries	All certificates	All counting types	3,299	100%	5	17	22	82%	77%

RF0106: Voluntary scheme data of renewable transport fuel: United Kingdom, 2022 (fifth provisional)

This is the fifth provisional report, containing information received by the DfT as of the 3 August 2023.
This worksheet contains one table. Notes for this table can be seen in the Notes worksheet.
This table contains data on RTFCs issued to renewable fuel which has been certified as sustainable.
Some shorthand is used in this table, [low] = a figure less than 0.5 or a percentage less than 0.5% but not a real zero.
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Scheme 1	Scheme 2	Fuel type	Feedstock	Country	Total	Percentage of total
Biomass Biofuels voluntary scheme	No scheme	Bioethanol	Starch slurry (waste)	France	0	-
Biomass Biofuels voluntary scheme Total	All schemes	All fuel types	All feedstocks	All countries	0	-
Bonsucro EU (formerly BSI)	No scheme	Bioethanol	Sugar cane	Brazil	37	1%
Bonsucro EU (formerly BSI) Total	All schemes	All fuel types	All feedstocks	All countries	37	1%
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Food waste	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Argentina	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Australia	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Azerbaijan	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Belgium	1	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Canada	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Chile	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	China	20	1%
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Colombia	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Czech Republic	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Denmark	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Ecuador	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Egypt	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Estonia	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Finland	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Georgia	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Hong Kong	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Indonesia	2	0%
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Iraq	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Israel	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Italy	1	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Japan	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Jordan	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Malaysia	11	0%
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Netherlands	1	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Paraguay	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Qatar	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Saudi Arabia	2	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Singapore	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	South Africa	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Taiwan	1	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Thailand	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	United Arab Emirates	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	United Kingdom	5	0%
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Uruguay	0	-
International Sustainability & Carbon Cert.	No scheme	Avtur (renewable)	Used cooking oil	Vietnam	0	-
International Sustainability & Carbon Cert.	No scheme	Bio Petrol	Used cooking oil	China	1	-
International Sustainability & Carbon Cert.	No scheme	Bio Petrol	Used cooking oil	Hong Kong	0	-

International Sustainability & Carbon Cert.	No scheme	Bio Petrol	Used cooking oil	Indonesia	1	-
International Sustainability & Carbon Cert.	No scheme	Bio Petrol	Used cooking oil	Malaysia	9	0%
International Sustainability & Carbon Cert.	No scheme	Bio Petrol	Used cooking oil	Taiwan	1	-
International Sustainability & Carbon Cert.	No scheme	Bio Petrol	Used cooking oil	United Kingdom	3	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Brown grease	Argentina	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Brown grease	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Brown grease	China	131	4%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Brown grease	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Brown grease	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Crude glycerine	New Zealand	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Empty palm fruit bunches	Indonesia	5	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Food waste	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Food waste	Ireland, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Food waste	Spain	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Food waste	United Kingdom	4	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Oilseed rape	France	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Oilseed rape	Germany	4	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Oilseed rape	Latvia	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Oilseed rape	Slovakia	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Palm	Indonesia	24	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Palm	Malaysia	9	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Palm oil mill effluent	Cote d'Ivoire (Ivory Coast)	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Palm oil mill effluent	Ecuador	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Palm oil mill effluent	Guatemala	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Palm oil mill effluent	Indonesia	19	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Palm oil mill effluent	Malaysia	19	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Palm oil mill effluent	Mexico	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Palm oil mill effluent	Panama	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Poultry feather acid oil	Spain	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Argentina	7	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Austria	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Belgium	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Brazil	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Bulgaria	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Czech Republic	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Ecuador	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Egypt	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Finland	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	France	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Germany	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Greece	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Hungary	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Indonesia	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Iran	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Ireland, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Italy	2	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Morocco	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Netherlands	4	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	South Africa	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Spain	5	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Tunisia	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Turkey	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Ukraine	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	United Kingdom	2	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soy	Argentina	50	2%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soy	Brazil	13	0%

International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soy	Czech Republic	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Soy	Greece	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Spent bleaching earth	Argentina	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Finland	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	France	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Hungary	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Ireland, Republic of	6	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Israel	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Italy	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Netherlands	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Poland	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Portugal	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Spain	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	Switzerland	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Tallow - category 1	United Kingdom	10	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Albania	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Argentina	8	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Aruba	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Australia	5	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Austria	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Azerbaijan	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Bahamas	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Bahrain	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Bangladesh	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Belarus	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Belgium	5	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Bolivia	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Bosnia and Herzegovina	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Brazil	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Bulgaria	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Cambodia	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Canada	5	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Chile	19	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	China	438	13%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Colombia	3	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Cote d'Ivoire (Ivory Coast)	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Croatia	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Cyprus	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Czech Republic	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Denmark	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Ecuador	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Egypt	11	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Estonia	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Finland	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	France	5	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Georgia	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Germany	42	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Greece	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Guatemala	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Hong Kong	3	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	India	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Indonesia	28	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Iran	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Iraq	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Ireland, Republic of	1	-

International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Israel	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Italy	5	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Japan	11	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Jordan	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Kuwait	2	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Latvia	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Lebanon	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Lithuania	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Luxembourg	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Malaysia	61	2%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Mexico	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Morocco	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Netherlands	22	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	New Zealand	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	North Macedonia, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Norway	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Oman	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Pakistan	4	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Panama	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Paraguay	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Peru	4	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Philippines	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Poland	14	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Portugal	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Puerto Rico	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Qatar	3	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Republic of Korea	21	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Romania	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Russian Federation	20	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Saudi Arabia	25	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Serbia	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Singapore	28	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Slovakia	2	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Slovenia	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	South Africa	3	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Spain	20	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Sri Lanka	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Sweden	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Switzerland	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Taiwan	48	2%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Thailand	26	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Tunisia	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Turkey	4	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Ukraine	28	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	United Arab Emirates	10	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	United Kingdom	63	2%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	United States	23	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Uruguay	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Used cooking oil	Vietnam	22	1%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Waste pressings from production of vegetable oils	Argentina	2	0%
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Waste pressings from production of vegetable oils	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Waste pressings from production of vegetable oils	Indonesia	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Waste pressings from production of vegetable oils	Netherlands	1	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Waste pressings from production of vegetable oils	Portugal	0	-
International Sustainability & Carbon Cert.	No scheme	Biodiesel ME	Waste pressings from production of vegetable oils	Spain	26	1%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Argentina	10	0%

International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Bulgaria	4	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Canada	6	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Czech Republic	0	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	France	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Hungary	3	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Paraguay	24	1%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Poland	45	1%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Romania	69	2%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Slovakia	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	Ukraine	100	3%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Corn	United States	338	10%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Ethanol from cleaning/extraction of blood plasma	Germany	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Ethanol from extraction from medicinal plants	Germany	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Food waste	Denmark	2	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Food waste	Finland	2	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Food waste	France	10	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Food waste	Germany	5	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Food waste	Hungary	14	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Food waste	Latvia	2	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Food waste	Lithuania	0	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Food waste	Poland	15	1%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Food waste	Sweden	17	1%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Molasses	Brazil	8	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Starch slurry (regular)	Hungary	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Starch slurry (waste)	Austria	17	1%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Starch slurry (waste)	Belgium	12	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Starch slurry (waste)	France	40	1%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Starch slurry (waste)	Germany	14	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Starch slurry (waste)	Hungary	3	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Starch slurry (waste)	Lithuania	6	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Starch slurry (waste)	Netherlands	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar beet	France	3	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar beet	Germany	2	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar beet	Ukraine	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar beet betaine residue	Ukraine	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar beet betaine residue	United Kingdom	53	2%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar beet tops, tails, chips & process water	Ukraine	10	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar cane	Bolivia	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar cane	Brazil	190	6%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar cane	Guatemala	3	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sugar cane	United States	4	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Sweet sorghum	United States	1	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Wheat	Belgium	4	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Wheat	Czech Republic	3	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Wheat	France	3	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Wheat	Germany	5	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Wheat	Latvia	2	0%
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Wheat	Lithuania	0	-
International Sustainability & Carbon Cert.	No scheme	Bioethanol	Wheat	United Kingdom	112	3%
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Brown grease	Netherlands	4	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Crude glycerine	Netherlands	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Crude glycerine	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Draff	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Food waste	Austria	3	0%

International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Food waste	Czech Republic	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Food waste	Denmark	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Food waste	Ireland, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Food waste	Netherlands	2	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Food waste	Spain	1	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Food waste	Sweden	10	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Food waste	United Kingdom	1	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Glycerol	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Husks	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Husks	Denmark	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Husks	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Husks	Netherlands	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Organic municipal solid waste	Netherlands	9	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Organic municipal solid waste	Spain	10	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Pot Ale	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Pot Ale Syrup	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Sewage sludge	Netherlands	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Sewage sludge	Spain	1	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Sewage sludge	Sweden	10	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Spent wheat grains	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Sugar beet betaine residue	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Sugar beet tops, tails, chips & process water	Sweden	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Waste pressings from production of vegetable oils	Spain	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Waste pressings from production of vegetable oils	Sweden	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Wet manure	Austria	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (compressed)	Wet manure	Ireland, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Arable (rotational) grass	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Brown grease	Czech Republic	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Brown grease	Netherlands	3	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Corn	Germany	4	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Crude glycerine	Denmark	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Crude glycerine	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Crude glycerine	Netherlands	1	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Dry manure	Netherlands	2	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Dry manure	Slovakia	2	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Dry manure	United Kingdom	1	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Food waste	Austria	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Food waste	Czech Republic	1	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Food waste	France	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Food waste	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Food waste	Ireland, Republic of	1	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Food waste	Netherlands	5	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Food waste	Spain	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Food waste	Sweden	2	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Husks	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Husks	Denmark	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Husks	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Husks	Netherlands	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Municipal grass cuttings	Sweden	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Organic municipal solid waste	Netherlands	2	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Sewage sludge	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Sewage sludge	Czech Republic	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Sewage sludge	Netherlands	1	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Sewage sludge	United Kingdom	6	0%
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Wet manure	Ireland, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	Biomethane (liquified)	Wet manure	Netherlands	4	0%

International Sustainability & Carbon Cert.	No scheme	Biomethane (liquefied)	Whole crop rye	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	End of life tyres (renewable component)	Poland	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Food waste	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Palm	Indonesia	13	0%
International Sustainability & Carbon Cert.	No scheme	Biopropane	Palm fatty acid distillate	Indonesia	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Argentina	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Australia	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Azerbaijan	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Canada	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Chile	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	China	2	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Colombia	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Denmark	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Ecuador	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Egypt	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Estonia	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	France	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Hong Kong	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Indonesia	1	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Iraq	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Ireland, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Israel	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Japan	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Jordan	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Lithuania	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Malaysia	5	0%
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Netherlands	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Panama	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Paraguay	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Poland	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Saudi Arabia	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Singapore	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	South Africa	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Spain	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Sweden	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Taiwan	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Thailand	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	United Arab Emirates	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	United Kingdom	3	0%
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Uruguay	0	-
International Sustainability & Carbon Cert.	No scheme	Biopropane	Used cooking oil	Vietnam	0	-
International Sustainability & Carbon Cert.	No scheme	Development diesel	End of life tyres (renewable component)	Poland	2	0%
International Sustainability & Carbon Cert.	No scheme	Development diesel	End of life tyres (renewable component)	Sweden	0	-
International Sustainability & Carbon Cert.	No scheme	Development diesel	Organic municipal solid waste	United States	16	1%
International Sustainability & Carbon Cert.	No scheme	Development petrol	End of life tyres (renewable component)	Poland	2	-
International Sustainability & Carbon Cert.	No scheme	Development petrol	End of life tyres (renewable component)	Sweden	0	-
International Sustainability & Carbon Cert.	No scheme	Development petrol	Food waste	Poland	0	-
International Sustainability & Carbon Cert.	No scheme	Development petrol	Organic municipal solid waste	United States	8	0%
International Sustainability & Carbon Cert.	No scheme	Diesel (origin Bio)	Forestry residues	France	7	0%
International Sustainability & Carbon Cert.	No scheme	Diesel (origin Bio)	Rapeseed residue single counting	Netherlands	0	-
International Sustainability & Carbon Cert.	No scheme	Diesel (origin Bio)	Salmon oil - cat 1&2	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Diesel (origin Bio)	Used cooking oil	United Kingdom	1	-
International Sustainability & Carbon Cert.	No scheme	HVO	Brown grease	China	1	-
International Sustainability & Carbon Cert.	No scheme	HVO	Food waste	Belgium	3	0%

International Sustainability & Carbon Cert.	No scheme	HVO	Food waste	France	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Food waste	Germany	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Food waste	Netherlands	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Food waste	Poland	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Food waste	Spain	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Food waste	United Kingdom	3	0%
International Sustainability & Carbon Cert.	No scheme	HVO	Palm oil mill effluent	Indonesia	25	1%
International Sustainability & Carbon Cert.	No scheme	HVO	Palm oil mill effluent	Malaysia	41	1%
International Sustainability & Carbon Cert.	No scheme	HVO	Tallow - category 1	Austria	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Tallow - category 1	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Tallow - category 1	Germany	1	-
International Sustainability & Carbon Cert.	No scheme	HVO	Tallow - category 1	Poland	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Australia	3	0%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Chile	3	0%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	China	66	2%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Czech Republic	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Ecuador	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Egypt	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Estonia	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Finland	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	France	29	1%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Hong Kong	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	India	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Indonesia	10	0%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Ireland, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Italy	14	0%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Japan	3	0%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Jordan	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Latvia	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Lebanon	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Lithuania	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Malaysia	4	0%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Mexico	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Netherlands	31	1%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	New Zealand	1	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Norway	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Peru	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Philippines	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Poland	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Portugal	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Republic of Korea	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Singapore	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	South Africa	1	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Spain	2	0%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Sweden	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Thailand	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	United Arab Emirates	0	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	United Kingdom	10	0%
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	United States	1	-
International Sustainability & Carbon Cert.	No scheme	HVO	Used cooking oil	Vietnam	4	0%
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Crude glycerine	Denmark	1	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Crude glycerine	Italy	0	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Crude glycerine	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Dry manure	Denmark	2	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Dry manure	Netherlands	2	0%

International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Food waste	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Food waste	United Kingdom	3	0%
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Food waste	United States	5	0%
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Organic municipal solid waste	Netherlands	1	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Organic municipal solid waste	Spain	0	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Organic municipal solid waste	United States	26	1%
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Sewage sludge	United Kingdom	2	0%
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Sewage sludge	United States	3	0%
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Starch slurry (waste)	United States	1	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Straw	Denmark	1	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Waste pressings from production of vegetable oils	Italy	0	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Waste pressings from production of vegetable oils	United Kingdom	0	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Waste pressings from production of vegetable oils	United States	16	1%
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Wet manure	Denmark	1	-
International Sustainability & Carbon Cert.	No scheme	Methanol (bio)	Wet manure	Netherlands	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Brown grease	China	2	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Forestry residues	France	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Palm	Malaysia	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Palm oil mill effluent	Indonesia	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Soy	Argentina	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Tallow - category 1	Ireland, Republic of	3	0%
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Tallow - category 1	United Kingdom	2	0%
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Argentina	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Australia	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Bahrain	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Belgium	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Bolivia	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Bulgaria	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Cambodia	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Canada	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Chile	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	China	15	0%
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Colombia	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Denmark	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Ecuador	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Egypt	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Finland	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	France	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Germany	3	0%
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Greece	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Indonesia	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Iran	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Iraq	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Ireland, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Israel	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Japan	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Jordan	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Kuwait	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Malaysia	4	0%
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Mexico	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Netherlands	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	North Macedonia, Republic of	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Norway	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Pakistan	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Panama	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Peru	0	-

International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Poland	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Qatar	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Republic of Korea	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Russian Federation	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Saudi Arabia	3	0%
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Singapore	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Slovakia	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Spain	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Sweden	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Taiwan	2	0%
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Thailand	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Turkey	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Ukraine	1	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	United Arab Emirates	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	United Kingdom	6	0%
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	United States	0	-
International Sustainability & Carbon Cert.	No scheme	Off road biodiesel	Used cooking oil	Vietnam	1	-
International Sustainability & Carbon Cert.	No scheme	Pure bio oil	Salmon oil - cat 1&2	Norway	0	-
International Sustainability & Carbon Cert.	No scheme	Pure bio oil	Used cooking oil	United Kingdom	2	0%
International Sustainability & Carbon Cert.	REDcert EU	Biodiesel ME	Tallow - category 1	United Kingdom	0	-
International Sustainability & Carbon Cert.	REDcert EU	Off road biodiesel	Tallow - category 1	United Kingdom	0	-
International Sustainability & Carbon Cert. Total	All schemes	All fuel types	All feedstocks	All countries	3,190	97%
No scheme	No scheme	Biodiesel ME	Crude glycerine	United Kingdom	1	-
No scheme	No scheme	Biodiesel ME	Food waste	United Kingdom	0	-
No scheme	No scheme	Biodiesel ME	Sewage system FOG	United Kingdom	0	-
No scheme	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Argentina	0	-
No scheme	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Brazil	0	-
No scheme	No scheme	Biodiesel ME	Used cooking oil	China	1	-
No scheme	No scheme	Biodiesel ME	Used cooking oil	United Kingdom	2	0%
No scheme	No scheme	Bioethanol	Starch slurry (waste)	France	0	-
No scheme	No scheme	Biomethane (compressed)	Food waste	United Kingdom	17	1%
No scheme	No scheme	Biomethane (compressed)	Rye silage	United Kingdom	0	-
No scheme	No scheme	Biomethane (liquified)	Food waste	United Kingdom	10	0%
No scheme	No scheme	Biomethane (liquified)	Sewage sludge	Belgium	0	-
No scheme	No scheme	Biopropane	Food waste	United Kingdom	0	-
No scheme	No scheme	Biopropane	Used cooking oil	Argentina	0	-
No scheme	No scheme	Biopropane	Used cooking oil	Australia	0	-
No scheme	No scheme	Biopropane	Used cooking oil	Colombia	0	-
No scheme	No scheme	Biopropane	Used cooking oil	Malaysia	0	-
No scheme	No scheme	Biopropane	Used cooking oil	Singapore	0	-
No scheme	No scheme	Biopropane	Used cooking oil	South Africa	0	-
No scheme	No scheme	Biopropane	Used cooking oil	Taiwan	0	-
No scheme	No scheme	Biopropane	Used cooking oil	United Kingdom	1	-
No scheme	No scheme	Biopropane	Used cooking oil	Uruguay	0	-
No scheme	No scheme	Development diesel	End of life tyres (renewable component)	Poland	0	-
No scheme	No scheme	Development petrol	End of life tyres (renewable component)	Poland	0	-
No scheme	No scheme	Diesel (origin Bio)	Used cooking oil	United Kingdom	0	-
No scheme	No scheme	Off road biodiesel	Crude glycerine	United Kingdom	0	-
No scheme	No scheme	Off road biodiesel	Used cooking oil	United Kingdom	0	-
No scheme	No scheme	Pure bio oil	Cashew nut shell liquid	Vietnam	0	-
No scheme	No scheme	Pure bio oil	Salmon oil - cat 1&2	Norway	0	-
No scheme Total	All schemes	All fuel types	All feedstocks	All countries	33	1%
NTA 8080	No scheme	Biomethane (liquified)	Food waste	Netherlands	1	-
NTA 8080	No scheme	Biomethane (liquified)	Nut shells	Netherlands	2	-

NTA 8080	No scheme	Biomethane (liquified)	Organic municipal solid waste	Netherlands	1	-
NTA 8080 Total	All schemes	All fuel types	All feedstocks	All countries	3	0%
Red Tractor v2.02	International Sustainability & Carbon Cert.	Bioethanol	Wheat	United Kingdom	23	1%
Red Tractor v2.02 Total	All schemes	All fuel types	All feedstocks	All countries	23	1%
REDcert EU	International Sustainability & Carbon Cert.	Biodiesel ME	Used cooking oil	United Kingdom	0	-
REDcert EU	No scheme	Biobutane	Food waste	Poland	0	-
REDcert EU	No scheme	Biobutane	Food waste	Ukraine	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Austria	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Belgium	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Bulgaria	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Czech Republic	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	France	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Germany	1	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Greece	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Ireland, Republic of	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Italy	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Netherlands	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	South Africa	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	Spain	0	-
REDcert EU	No scheme	Biodiesel ME	Soapstock acid oil contaminated with sulphur	United Kingdom	0	-
REDcert EU	No scheme	Biodiesel ME	Used cooking oil	United Kingdom	0	-
REDcert EU	No scheme	Bioethanol	Ethanol from cleaning/extraction of blood plasma	Germany	0	-
REDcert EU	No scheme	Bioethanol	Food waste	Germany	1	-
REDcert EU	No scheme	Bioethanol	Food waste	Poland	2	-
REDcert EU	No scheme	Bioethanol	Starch slurry (waste)	France	0	-
REDcert EU	No scheme	Bioethanol	Sugar cane	Brazil	2	0%
REDcert EU	No scheme	Biomethane (compressed)	Food waste	Sweden	1	-
REDcert EU	No scheme	Biomethane (compressed)	Sugar beet tops, tails, chips & process water	Hungary	0	-
REDcert EU	No scheme	Biomethane (compressed)	Sugar beet tops, tails, chips & process water	Sweden	0	-
REDcert EU	No scheme	Biomethane (compressed)	Waste pressings from production of vegetable oils	Spain	0	-
REDcert EU	No scheme	Biomethane (compressed)	Waste pressings from production of vegetable oils	Sweden	0	-
REDcert EU	No scheme	Biomethane (liquified)	Food waste	Sweden	1	-
REDcert EU	No scheme	Biomethane (liquified)	Sugar beet tops, tails, chips & process water	Hungary	1	-
REDcert EU	No scheme	Biomethane (liquified)	Sugar beet tops, tails, chips & process water	Sweden	0	-
REDcert EU	No scheme	Biomethane (liquified)	Waste pressings from production of vegetable oils	Spain	0	-
REDcert EU	No scheme	Biomethane (liquified)	Waste pressings from production of vegetable oils	Sweden	0	-
REDcert EU	No scheme	Biopropane	Food waste	Poland	0	-
REDcert EU	No scheme	Biopropane	Food waste	Ukraine	0	-
REDcert EU	No scheme	Development petrol	Food waste	Poland	0	-
REDcert EU Total	All schemes	All fuel types	All feedstocks	All countries	12	0%
Grand Total	All schemes grand total	All fuel types grand total	All feedstocks grand total	All countries grand total	3,299	100%