

# Summary UK Regional Emissions from Biofuels Cultivation

## Communication August 2025

### COVERING TEXT

Stakeholder Summary Note: Release of UK NUTS 2 Biofuels Cultivation Emissions Values

The UK NUTS 2 report has received technical clearance from the European Commission and reflects the latest data, assumptions, and agricultural practices across the UK's International Territorial Level (ITL2) regions—previously known as NUTS2 under EU classifications. These regional values are critical for demonstrating compliance with disaggregated default GHG values for cultivation set out in Annex V.D of Directive (EU) 2018/2001 (RED II).

We are pleased to announce the release of the fourth revision of the emissions from the cultivation of agricultural crops for biofuels, which provide greenhouse gas (GHG) emissions associated with the cultivation of biofuel feedstocks across UK regions. This release allows stakeholders, including farmers and fuel producers, to utilize regional GHG values in place of farm-level data, simplifying compliance and reporting obligations under the RTFO and when exporting biofuel crops to the EU.

**Please note:** Full publication and formal submission of this report to the European Commission are pending final legal clearance. While technical elements are complete and robust, legal validation is required to confirm alignment with the EU's legal and regulatory framework.

We are sharing this interim summary values with stakeholders however a full version of the report will be issued once all necessary legal reviews are concluded.

The results of assessment for each crop are set out in Summary Table.

**The analysis indicates that the cultivation of winter wheat, oilseed rape and sugar beet will result in GHG emissions that are substantially lower than the RED II Disaggregated Default Values in all regions of the United Kingdom.**

For any queries regarding the technical content or implementation timelines, please contact the LCF Delivery Unit.

**Summary Table . GHG emissions arising from cultivation of feed wheat, oilseed rape and sugar beet for biofuel in the UK ITL2 regions.** Results are in units of [gCO<sub>2</sub>e/MJ biofuel] and [kgCO<sub>2</sub>e/tonne dry feedstock]. Figures in **bold** are below the RED II disaggregated default value for that crop.

	Feed Wheat		Oilseed Rape		Sugar beet	
Region	gCO <sub>2</sub> e/MJ biofuel	kgCO <sub>2</sub> e/tonne [dry feedstock]	gCO <sub>2</sub> e/MJ biofuel	kgCO <sub>2</sub> e/tonne [dry feedstock]	gCO <sub>2</sub> e/MJ biofuel	kgCO <sub>2</sub> e/tonne [dry feedstock]
N East						
C1	16	242	18	473	NA	NA
C2	16	242	18	473	NA	NA
N West						
D1	23	353	20	531	NA	NA
D2	23	353	20	531	NA	NA
D3	23	353	20	531	NA	NA
D4	23	353	20	531	NA	NA
D5	23	353	20	531	NA	NA
Yorks						
E1	17	254	20	529	6.8	85
E2	17	254	20	529	6.8	85
E3	17	254	20	529	6.8	85
E4	17	254	20	529	6.8	85
E Mids						
F1	16	251	22	583	6.6	83
F2	16	251	22	583	6.6	83
F3	16	251	22	583	6.6	83
W Mids						
G1	18	269	20	537	7.3	91
G2	18	269	20	537	NA	NA
G3	18	269	20	537	NA	NA
Eastern						
H1	16	244	21	559	6.4	80
H2	16	244	21	559	6.4	80
H3	16	244	21	559	6.4	80
S East						
J1	17	259	24	631	NA	NA
J2	17	259	24	631	NA	NA
J3	17	259	24	631	NA	NA
J4	17	259	24	631	NA	NA
S West						
K1	19	293	25	661	NA	NA
K2	19	293	25	663	NA	NA
K3	18	279	24	639	NA	NA
K4	18	279	24	639	NA	NA
Wales						
L1	21	320	23	619	NA	NA
L2	21	320	23	619	NA	NA
Scotland						
M5	16	253	18	477	NA	NA
M6	16	253	18	477	NA	NA
M7	16	253	18	477	NA	NA
M8	16	253	18	477	NA	NA
M9	16	253	18	477	NA	NA
N Ireland						
N Ireland	20	307	25	659	NA	NA
<b>RED II default</b>	<b>27</b>		<b>32</b>		<b>9.6</b>	

NA = not applicable (sugar beet is not currently grown in these regions)



**Figure 1: Map of UK ITL2 regions.**

**Table 1. Codes for ITL2 regions shown in Figure 1.**

ITL1 regions	ITL2 regions	Counties and districts comprising the ITL2 regions
<b>North East</b>	C1	Tees Valley and Durham
	C2	Northumberland and Tyne and Wear
<b>North West</b>	D1	Cumbria
	D2	Cheshire
	D3	Greater Manchester
	D4	Lancashire
	D5	Merseyside
<b>Yorkshire and Humberside</b>	E1	East Yorkshire and Northern Lincolnshire
	E2	North Yorkshire
	E3	South Yorkshire
	E4	West Yorkshire
<b>East Midlands</b>	F1	Derbyshire and Nottinghamshire
	F2	Leicestershire, Rutland and Northamptonshire
	F3	Lincolnshire
<b>West Midlands</b>	G1	Herefordshire, Worcestershire and Warwickshire
	G2	Shropshire and Staffordshire
	G3	West Midlands
<b>East</b>	H1	East Anglia
	H2	Bedfordshire and Hertfordshire
	H3	Essex
<b>London</b>	I3	Inner London – West
	I4	Inner London – East
	I5	Outer London – East and North East
	I6	Outer London – South
	I7	Outer London – West and North East
<b>South East</b>	J1	Berkshire, Buckinghamshire and Oxfordshire
	J2	Surrey, East and West Sussex
	J3	Hampshire and Isle of Wight
	J4	Kent
<b>South West</b>	K1	Gloucestershire, Wiltshire and Bristol/Bath area
	K2	Dorset and Somerset
	K3	Cornwall and Isles of Scilly
	K4	Devon
<b>Wales</b>	L1	West Wales and The Valleys
	L2	East Wales
<b>Scotland</b>	M2	Eastern Scotland
	M3	South Western Scotland
<b>Scotland</b>	M5	North Eastern Scotland
	M6	The Highlands and Islands of Scotland
	M7	Eastern Scotland
	M8	West Central Scotland
	M9	Southern Scotland
<b>Northern Ireland</b>	N0	Northern Ireland

No crops have been assessed in the London region, so ITL2 codes I3 to I7 have been omitted from this report.