

IDF Carbon Footprint Verification Tool

On Farm Analysis

	Response	Status	Guidance
<i>This includes all activities up to the farm gate</i>			
How has the <b>Functional Unit</b> been calculated for farm gate emissions? (§4.3.1)			
Functional Unit Volume	1. Milk Collected / Processed		Please provide a reference in the space provided below
Energy Content (Mcal / kg)	6. FPCM calculated directly		
FPCM (kg)	4. Other		
Milk x (0,116 x Fat% + 0,06 x Total Protein% + 0,337) Based on total protein.			
Plesae provide a reference for the FPCM Equation	Reference: CVB (Centraal Veevoederbureau). 2022. CVB CVB Table Booklet Feeding of Ruminants. Page 5.		
How is the <b>Milk / Liveweight Allocation</b> calculated? (§5.4.2)			
1. Biophysical			
<i>The allocation between milk production and liveweight (meat) is a key point of the IDF standard</i>			
What equation is used for the biophysical allocation?		1. IDF 2022	
What data is used?		1. Primary Data	
Are non-replacement calves sold included in LWT exports?		1. Yes	
Use the area below for any additional comments or notes relating to the <b>Milk / Liveweight Allocation</b>			
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Are <b>Enteric Emissions</b> included? (§5.2.1)		1. Yes	
<i>Methane emissions from the digestive process.</i>			
Does this include on farm replacements and breeding stock?		1. Yes	
How are the emissions calculated?		2.1 IPCC Tier 2 - Country Specific	
Please provide a reference for the specific model used			
What data is used for the calculation?		1. Primary Data Only	
Use the area below for any additional comments or notes relating to the <b>Enteric Emissions Calculation</b>			
<div>Calculation based on farm-specific DE% calculated from farm-specific rations.</div> <div></div> <div></div>			
Are emissions from <b>Manure Management</b> included? (§5.2.2)		1. Yes	
<i>This includes all emissions related to the storage and treatment of manure</i>			
How are the emissions calculated?		2.1 IPCC Tier 2 - Country Specific	
Please provide a reference for the specific model used			
What data is used for the calculation?		1. Primary Data Only	
Does manure leave the farm?		2. No	
<div></div> <div></div> <div></div>			
Are emissions from <b>Homegrown Feed Production</b> included?		1. Yes	
<i>This includes all on farm feed production, including pasture and crops</i>			
What data is used?		1. Primary Data	
<b>Included Activities / Emissions</b>			
N <sub>2</sub> O emissions from soil (§5.2.3)	1. Yes		Including emissions associated with Capital Goods is optional Provide evidence supporting omitting this element
Emissions from manure deposited or used as fertiliser (§5.2.3)	1. Yes		
How are N2O emissions calculated? (§5.2.3)	2. IPCC Tier 2		
CO <sub>2</sub> emissions from lime use on soils	1. Yes		
Fuel and energy use	1. Yes		
Production of fertilisers	1. Yes		
Transportation of fertilisers	1. Yes		
Capital goods	3. Not Relevant		
Land use change (§5.5.1)	4. Not Relevant		
Harvesting loss and crop residue emissions	1. Yes		
Is any feed sold / exported off the farm?		1. Yes	Please justify the method used
How are emissions allocated to these? (§5.4)		3. Other	
Use the area below for any additional comments or notes relating to <b>Homegrown Feed Production</b>			
<div>N2O: IPCC Tier 1/2 (Flemisch climate conditions: wet climate)</div> <div>Allocation of exported/sold feed: mass allocation</div> <div></div>			
Which emissions from <b>Peat Soils</b> are included? (§5.5.4)		1.1 Yes - CO2 and N2O only	
<i>This includes emissions from drained organic/peat soils on the farm</i>			
How are these reported?		2. Reported separately, all sources	
Use the area below for any additional comments or notes relating to emissions from <b>Peat Soils</b>			
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Are emissions from **Imported Feed** included?

1. Yes

*This includes all feed material imported from outside the farm boundary*

What data is used?

4. General Database Values

Included Activities / Emissions

N <sub>2</sub> O emissions from soil (\$5.2.3)	1. Yes	
CO <sub>2</sub> emissions from lime use on soils	1. Yes	
Fuel and energy use	1. Yes	
Production of fertilisers	1. Yes	
Emissions from peat soils (\$5.5.4)	1. Yes - All gases (CO2, CH4, N2O)	
Capital goods	1. Yes	
Transportation of feed to farm	1. Yes	
Land use change... (\$5.5.1)	2. Yes - Included in the main value	Preferably land use change is reported separately
Harvesting loss and crop residue emissions	1. Yes	

What co-product allocation method has been used? (\$5.4.1)

2. Economic

What GWP100 conversion factors have been used? (\$6.1)

AR6 (CH4=27 & N2O=273)

Use the area below for any additional comments or notes relating to emissions associated with **Imported Feed**

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Are emissions associated with **Imported Animals** included?

2. Yes - Footprint of incoming animals captured

*This includes ANY purchased animals or replacements reared off the farm*

What data is used?

4. General Database Values

Included Activities / Emissions

Enteric Fermentation (\$5.2.1)	1. Yes	
Manure Management (\$5.2.2)	1. Yes	
Feed Production (\$5.2.4)	1. Yes	
Emissions from Peat Soils (\$5.5.4)	1. Yes - All gases (CO2, CH4, N2O)	
Land Use Change (\$5.5.1)	1. Yes	
Transport to Farm	3. Not Relevant	Provide evidence supporting omitting this element

What GWP100 conversion factors have been used? (\$6.1)

AR6 (CH4=27 & N2O=273)

Use the area below for any additional comments or notes relating to emissions associated with **Imported Animals**

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Are emissions of **Cattle Off Farm** included?

3. Yes - off-farm stock included in farm values

*This is to ensure the emissions associated with any stock spending time off the farm (e.g. dry cattle managed elsewhere) are still captured in the analysis*

Included Activities / Emissions

Transport from and to Farm	3. Not Relevant	Provide evidence supporting omitting this element
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Use the area below for any additional comments or notes relating to emissions associated with **Cattle Off Farm**

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Are emissions of **Imported Bedding Materials** included?

1. Yes

*e.g. straw, sawdust or other materials imported as bedding*

What data is used?

4. General Database Values

What co-product allocation method has been used? (\$5.4.1)

2. Economic

What GWP100 conversion factors have been used? (\$6.1)

AR6 (CH4=27 & N2O=273)

Use the area below for any additional comments or notes relating to emissions associated with **Imported Bedding Materials**

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Are **Energy and Milking Parlour Emissions** included?

1. Yes

*Emissions associated with milking and the storage of milk prior to collection*

What data is used?

1. Primary Data

Included Activities / Emissions

Refrigerant Losses (\$5.2.4)	3. Not Relevant	Provide evidence supporting omitting this element Including emissions associated with Capital Goods is optional
Capital goods	2. No	
Electricity (\$5.3.1)	2. Yes - Location based	

Use the area below for any additional comments or notes relating to **Energy and Milking Parlour Emissions**

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Summary for on farm components

Area	Number of issues	Data Source
Absence of Major Components	1	
Milk / Liveweight Allocation	0	
Enteric Emissions	0	
Manure Management	0	
Homegrown Feed Production	0	
Peat Soils	0	
Imported Feed	0	
Imported Animals	0	
Cattle Off Farm	Absent	
Imported Bedding Materials	0	
Energy and Milking Parlour Emissions	0	