

IDF LCA-verification 1.0 voor Klimrek melkvee klimaatscan versie 2025



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Versie	Datum	Beschrijving
Versie 1.0	Februari 2025	IDF LCA-verificatie 1.0 voor Klimrek melkvee klimaatscan versie 2025

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IDF Carbon Footprint Verification Tool

On Farm Analysis

This includes all activities up to the farm gate

Response	Status	Guidance
<p>How has the Functional Unit been calculated for farm gate emissions? (§4.3.1)</p>		
Functional Unit Volume	1. Milk Collected / Processed	
Energy Content (Mcal / kg)	6. FPCM calculated directly	
FPCM (kg)	4. Other	Please provide a reference in the space provided below
<p>Milk x (0,116 x Fat% + 0,06 x Total Protein% + 0,337) Based on total protein.</p> <p>Please provide a reference for the FPCM Equation Reference: CVB (Centraal Veevoederbureau). 2022. CVB CVB Table Booklet Feeding of Ruminants. Page 5.</p>		
<p>How is the Milk / Liveweight Allocation calculated? (§5.4.2)</p>		
<p><i>The allocation between milk production and liveweight (meat) is a key point of the IDF standard</i></p>		
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	
<p>Use the area below for any additional comments or notes relating to the Milk / Liveweight Allocation</p> <p>.....</p> <p>.....</p> <p>.....</p>		
<p>Are Enteric Emissions included? (§5.2.1)</p>		
<p><i>Methane emissions from the digestive process.</i></p>		
Does this include on farm replacements and breeding stock?	1. Yes	
How are the emissions calculated?	2.1 IPCC Tier 2 - Country Specific	
<p>Please provide a reference for the specific model used</p>		
What data is used for the calculation?	1. Primary Data Only	
<p>Use the area below for any additional comments or notes relating to the Enteric Emissions Calculation</p> <p>Calculation based on farm-specific DE% calculated from farm-specific rations.</p> <p>.....</p> <p>.....</p> <p>.....</p>		
<p>Are emissions from Manure Management included? (§5.2.2)</p>		
<p><i>This includes all emissions related to the storage and treatment of manure</i></p>		
How are the emissions calculated?	2.1 IPCC Tier 2 - Country Specific	
<p>Please provide a reference for the specific model used</p>		
What data is used for the calculation?	1. Primary Data Only	
Does manure leave the farm?	2. No	
<p>.....</p> <p>.....</p> <p>.....</p>		
<p>Are emissions from Homegrown Feed Production included?</p>		
<p><i>This includes all on farm feed production, including pasture and crops</i></p>		
What data is used?	1. Primary Data	
<p>Included Activities / Emissions</p>		
N ₂ O emissions from soil (§5.2.3)	1. Yes	<p>Including emissions associated with Capital Goods is optional Provide evidence supporting omitting this element</p>
Emissions from manure deposited or used as fertiliser (§5.2.3)	1. Yes	
How are N ₂ O emissions calculated? (§5.2.3)	2. IPCC Tier 2	
CO ₂ 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	<p>Please justify the method used</p>
How are emissions allocated to these? (§5.4)	3. Other	
<p>Use the area below for any additional comments or notes relating to Homegrown Feed Production</p> <p>N₂O: IPCC Tier 1/2 (Flemisch climate conditions: wet climate)</p> <p>Allocation of exported/sold feed: mass allocation</p> <p>.....</p> <p>.....</p> <p>.....</p>		
<p>Which emissions from Peat Soils are included? (§5.5.4)</p>		
<p><i>This includes emissions from drained organic/peat soils on the farm</i></p>		
How are these reported?	2. Reported separately, all sources	
<p>Use the area below for any additional comments or notes relating to emissions from Peat Soils</p> <p>.....</p> <p>.....</p> <p>.....</p>		

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

N₂O emissions from soil (§5.2.3) 1. Yes

CO₂ 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

Harvesting loss and crop residue emissions 1. Yes

Preferably land use change is reported separately

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

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

Capital goods 2. No

Electricity (§5.3.1) 2. Yes - Location based

Provide evidence supporting omitting this element

Including emissions associated with Capital Goods is optional

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	