



CAP'2ER® : a free evaluation tool to assess the environmental performances of your farm

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Objective evaluation of the environmental footprint

The preservation of the environment is a main challenge for the agricultural sector, including for broiler chicken farming, both in terms of reducing environmental impact and increasing the value of the services provided. The CAP'2ER® environmental diagnostic assessment tool has been adapted by ITAVI for the poultry sector to assess its contributions: it means Automated Environmental Performances Calculation for Responsible Farming. This was made in collaboration with IDELE who is the

initiator of the approach for Ruminant species. This two-level tool allows farmers to assess the environmental footprint of their farm and to identify action levers to improve their impact. This good practice has been identified by the French Broiler Innovation Network in response to the "carbon neutrality and environmental footprint" challenge selected with regards to the theme Environmental sustainability of the BroilerNet project.



Automated Environmental Performances Calculation for Responsible Farming

Environmental impact indicators	GHG Climate change (GHG)	Fossil fuel consumption	Air quality (ammonia)	Water quality (nitrogen, phosphorus)
	Positive contribution indicators	Preserving biodiversity	Carbon storage	Nourishing performance
Complementary indicators		Work conditions	Economical performances	

Multi-criteria evaluation tool

- This tool has four main objectives:
- Increase farmers' and advisors' awareness
 - Assess the main environmental impacts
 - Position the farm in comparison with a reference
 - Propose levers for action between farming practices and impacts

Level 1 (simplified and free of charge) targets the farmers and advisors, with the aim of increasing awareness of the farm's environmental performances through a rapid initial assessment. This one-hour online self-diagnosis assesses the environmental impact of one production unit and its positive contributions (see indicators).

- The level 1 process involves three simple steps:
- 1) Enter 30 zootechnical performances data
 - 2) Run the automated calculation
 - 3) Discover the results, particularly the net carbon footprint, which is compared to a mean national reference



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Difference between level 1 and level 2

The upcoming **level 2** is more complex and requires payment. It aims to facilitate the implementation of proactive measures identified during the assessment as strategies for reducing their environmental impact, at a farm scale. Furthermore, it expands the criteria from level 1 and allows implementation of an action plan at the farm-level with advisor assistance. Level 2 is expected by end-2024/begin-2025.

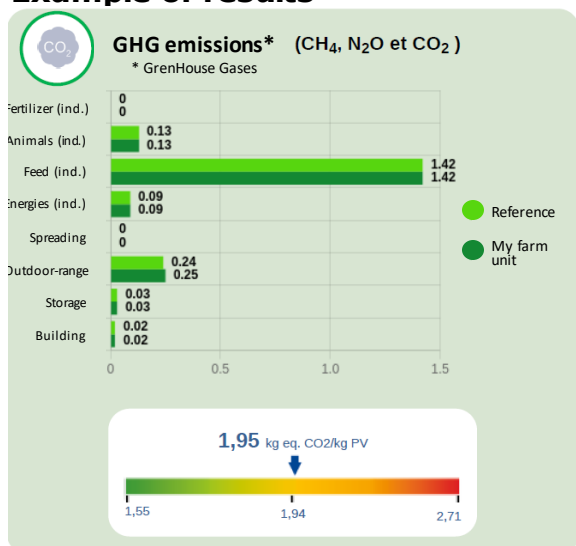
The tool requires information on the main inputs and outputs of the production system. Then, it generates environmental impact results using calculation equations. A description of how the tool works is provided by Idele (2022). This tool then assesses the environmental impacts of a given system and compares them to corresponding national references. To develop these references, both consolidated data and Life Cycle Assessment, which is a recognized assessment methodology, are used.

	Level 1 – Awareness	Level 2 – Progress plan
Target audience	Farmers, Advisors, Technicians	Advisors, Technicians
Scope	Farm unit, Products	Farm, Farm Unit, Products
Data collected	~ 30 data input	~ 150-300 data input
Diagnosis duration	1 hour	½ to 1 day

Certification of results by



Example of results



Costs & Benefits

CAP'2ER® offers an accessible and cost-effective way for broiler farmers to assess and enhance their environmental performance. Level 1 can be done for free by following this link: <https://cap2er.eu/>, but results will not be downloadable. For levels 1 and 2, a formation and a €1250 licence are required per applicant organisation. The licence is valid for life. In addition to the licence, there is a cost per diagnosis of €27 for level 1 and €50 for level 2.

For more information about the CAP'2ER tool:

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References:

Idele, 2022. CAP2ER : Guide simplifié de la méthodologie d'évaluation environnementale d'une exploitation agricole. 20p.

Further information:

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