Report title **GHG Emission Report, v1.1**
Indicator **1.21.4**

Instructions

This template is intended for reporting greenhouse gas emissions results to ASC. The Feed Standard does not prescribe a specific standard or set of methods for generating GHG values. However, suppliers should be aware that the development of the Farm Standard requirements may necessitate the application of specific methods for feed emissions in the future.

Emissions can be reported in either or both columns using a biophysical or economic allocation approach. Emissions results must be provided according to scope (1-3) as well as by input/activity, being general feed ingredient categories and additional transport and milling emissions that aren't otherwise captured within ingredients. 'Transport and milling' emissions should be at least equal to the sum of scope 1 and scope 2 emissions. If possible, emissions should also be broken down by category (fossil, biogenic, or land use change), facilitated by certain databases and assessment methods. Any uncategorized emissions should be reported as 'Unspecified emissions' (If feed suppliers are unable to determine emissions by category, the total of all emissions can be reported as unspecified).

This template is also expected to reflect the resolution of data that feed suppliers will need to provide to farms to satisfy feed-related emissions modeling for the Farm Standard. Feed suppliers should be ready to adjust the composition of ingredients used in calculations to reflect typical compositions of feeds relevant to each producer, whether that is on a producer-level or a general species-level (e.g. average ASC-compliant salmon feed composition), so that relevant emissions estimates are available to aquaculture producers for their own calculations.
Only enter data in blue cells.

Table 1. Production year

Year of production (yyyy)	2025

Table 2. GHG emissions by scope

Emissions scope	**GHG emissions per tonne of ASC compliant feed (kg CO_2-eq/t)**	
	Biophysical (mass) model	Economic model
Scope 1	0.01	0.01
Scope 2	0.019	0.019
Scope 3	4,324	891.592
Total	4323.914	891.621

Table 3. GHG emissions by category

Emissions category	Biophysical (mass) model	Economic model
Fossil emissions	2755.354	774.449
Biogenic emissions	56.878	3.81
Land use change emissions	1511.682	113.362
Unspecified emissions	0	0
Total	4323.914	891.621

Table 4. GHG emission by Input / Activity

Input / Activity	Quantity (kg/t)	Biophysical (mass) model	Economic model
Soy crop inputs	-	-	-
Other crop inputs	180.36931	114.5529	182.2186
Reduction fishery inputs	65.85347046	86.3483	83.3764
Fishery by-product inputs	400.0205774	988.8249	193.4613
Poultry / livestock inputs	341.4610618	3027.382	325.7607
Other feed inputs	12.296	10.774	10.774
Transport and milling		95.998	95.998
Total	1000.00042	4323.8801	891.589

Notes

All emissions values must be reported in units of kg CO_2-equivalent per tonne of ASC compliant feed.

Emissions totals for each section should be equivalent.

Total feed input quantity (kg/t) must equal 1000. Use 'Other feed inputs' to make up any difference from 1000 kg. 'Other feed inputs' should also include vitamins, amino acids, and other microingredients.

Transport-related emissions may be difficult to separate from ingredient production and processing emissions, depending on the data source used. Do not include any transport emissions in 'Transport and milling' that are already counted in the emissions of one of the ingredient groups.

Pigs

Chickens

Dairy

Agriculture

Horticulture