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)	2024

Table 2. GHG emissions by scope

	GHG emissions per tonne of ASC compliant feed (kg CO_2-eq/t)	
Emissions scope	Biophysical (mass) model	Economic model
Scope 1	4,324	4,324
Scope 2	3,366	3,366
Scope 3	3287,755	1592,644
Total	3295,445	1600,334

Table 3. GHG emissions by category

Emissions category	Biophysical (mass) model	Economic model
Fossil emissions	1853,196	716,795
Biogenic emissions	28,484	3,698
Land use change emissions	1410,402	879,841
Unspecified emissions	0	0
Total	3292,082	1600,334

Table 4. GHG emission by Input / Activity

Input / Activity	Quantity (kg/t)	Biophysical (mass) model	Economic model
Soy crop inputs	203,101007	777,7788	907,9818
Other crop inputs	417,8578173	366,1326	366,1326
Reduction fishery inputs	0	0	
Fishery by-product inputs	216,986	525,358	100,754
Poultry / livestock inputs	162,0553116	1529,9619	129,2511
Other feed inputs	0	0	0
Transport and milling		86,641	86,641
Total	1000,000136	3285,8723	1590,7605

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.