

**Report title  
Indicator****GHG Emission Report, v1.1  
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****Emissions scope**Scope 1  
Scope 2  
Scope 3  
**Total****GHG emissions per tonne of ASC compliant feed (kg CO<sub>2</sub>-eq/t)**

Biophysical (mass) model	Economic model
6.713	6.713
71.356	71.356
5,517	1251.936
5595.553	1330.005

**Table 3. GHG emissions by category****Emissions category**Fossil emissions  
Biogenic emissions  
Land use change emissions  
Unspecified emissions  
**Total**

Biophysical (mass) model	Economic model
3273.951	1092.287
627.967	11.943
1693.634	225.775
0	0
5595.552	1330.005

**Table 4. GHG emission by Input / Activity****Input / Activity**Soy crop inputs  
Other crop inputs  
Reduction fishery inputs  
Fishery by-product inputs  
Poultry / livestock inputs  
Other feed inputs  
Transport and milling  
**Total**

Quantity (kg/t)	Biophysical (mass) model	Economic model
35.036	115.387	145.232
429.729	429.044	462.458
62.363	56.352	54.869
32.132	84.524	17.477
382.682	4579.097	318.82
58.058	50.871	50.871
	280.322	280.322
1000	5595.597	1330.049

**Notes**

All emissions values must be reported in units of kg CO<sub>2</sub>-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.