

Feed supplier GHG emissions data submission template, v1.0

Feed Standard Criterion 1.21

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.

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.

Year of production: 2024

GHG emissions per tonne of ASC compliant feed (kg CO₂-eq/t)

	Biophysical (mass) model	Economic model
Emissions scope		
Scope 1	687,446	687,446
Scope 2	239,778	239,778
Scope 3	1359,649	1156,764
Total	2286,87	2083,99

Emissions category

Fossil emissions	1998,858	1712,767
Biogenic emissions	0,975	0,741
Land use change emissions	287,04	370,481
Unspecified emissions	0	0
Total	2286,87	2083,99

Input / Activity

Quantity (kg/t)

Soy crop inputs	552,9	446,7327	568,7805
Other crop inputs	220	109,8672	81,1723
Reduction fishery inputs	0	0	0
Fishery by-product inputs	150,1	367,4783	71,2403
Poultry / livestock inputs	0	0	0
Other feed inputs	77	67,4683	67,4683
Transport and milling		1295,3492	1295,3492
Total	1000	2286,896	2084,01

Notes

All emissions values must be reported in units of kg CO₂-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.