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	87.905	87.905
Scope 2	44.176	44.176
Scope 3	2,899	2419.702
Total	3031.23	2551.783

Table 3. GHG emissions by category

Emissions category	**Biophysical (mass) model**	**Economic model**
Fossil emissions	1355.954	783.411
Biogenic emissions	60	1.762
Land use change emissions	1615.276	1766.609
Unspecified emissions	0	0
Total	3031.23	2551.782

Table 4. GHG emission by Input / Activity

Input / Activity	**Quantity (kg/t)**	**Biophysical (mass) model**	**Economic model**
Soy crop inputs	391.4093902	1518.5889	1856.27
Other crop inputs	270.9757804	172.7015	146.8731
Reduction fishery inputs	0	0	0
Fishery by-product inputs	180.6502112	439.4843	84.6803
Poultry / livestock inputs	40.1443902	469.7928	33.2967
Other feed inputs	116.8202939	102.3603	102.3603
Transport and milling		328.3266	328.3266
Total	1000.000066	3031.2544	2551.807

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	87.898	87.898
Scope 2	44.172	44.172
Scope 3	2,429	1582.122
Total	2561.461	1714.192

Table 3. GHG emissions by category

Emissions category	Biophysical (mass) model	Economic model
Fossil emissions	1360.079	915.387
Biogenic emissions	23.44	3.033
Land use change emissions	1177.942	795.773
Unspecified emissions	0	0
Total	2561.461	1714.193

Table 4. GHG emission by Input / Activity

Input / Activity	Quantity (kg/t)	Biophysical (mass) model	Economic model
Soy crop inputs	100	396.026	517.765
Other crop inputs	370	396.543	490.95
Reduction fishery inputs	0	0	0
Fishery by-product inputs	0	0	0
Poultry / livestock inputs	150	1176.843	113.429
Other feed inputs	380	332.9613	332.9613
Transport and milling		259.1154	259.1154
Total	1000	2561.4887	1714.2207

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	87.905	87.905
Scope 2	44.176	44.176
Scope 3	2,373	1874.853
Total	2505.338	2006.934

Table 3. GHG emissions by category

Emissions category	**Biophysical (mass) model**	**Economic model**
Fossil emissions	1162.456	859.38
Biogenic emissions	17.25	2.316
Land use change emissions	1325.631	1145.237
Unspecified emissions	0	0
Total	2505.337	2006.933

Table 4. GHG emission by Input / Activity

Input / Activity	**Quantity (kg/t)**	**Biophysical (mass) model**	**Economic model**
Soy crop inputs	170	664.0923	830.7055
Other crop inputs	450	482.281	597.101
Reduction fishery inputs	0	0	0
Fishery by-product inputs	0	0	0
Poultry / livestock inputs	110	863.018	83.181
Other feed inputs	270	236.5777	236.5777
Transport and milling		259.3916	259.3916
Total	1000	2505.3606	2006.9568

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	80.112	80.112
Scope 2	40.259	40.259
Scope 3	3,379	1578.448
Total	3499.647	1698.819

Table 3. GHG emissions by category

Emissions category	Biophysical (mass) model	Economic model
Fossil emissions	2144.267	819.539
Biogenic emissions	179.322	3.423
Land use change emissions	1176.058	875.857
Unspecified emissions	0	0
Total	3499.647	1698.819

Table 4. GHG emission by Input / Activity

Input / Activity	Quantity (kg/t)	Biophysical (mass) model	Economic model
Soy crop inputs	160	645.4096	892.0581
Other crop inputs	170	115.1728	104.476
Reduction fishery inputs	0	0	0
Fishery by-product inputs	340	827.382	159.4647
Poultry / livestock inputs	140	1481.4479	112.5847
Other feed inputs	190	166.4808	166.4808
Transport and milling		263.7945	263.7945
Total	1000	3499.6876	1698.8588