ndicator	1.21.4			
nstructions	This template is intended for reporting greenhouse and emissions results to ΔSC . The Feed			
	Standard does not prescribe a specific standard or set of method	ls for aeneratina GHG values.		
	However suppliers should be aware that the development of the Farm Standard requirements			
	may necessitate the application of specific methods for feed emi	ssions 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.			
Table 1. Production year				
Table 1. Production year Year of production (yyyy)	2024			
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Table 1. Production year Year of production (yyyy)	2024			
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by a finite second	2024 scope GHG emissions per tonne of ASC	compliant feed (kg CO2-eq/t)		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model	compliant feed (kg CO ₂ -eq/t)		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95 415	compliant feed (kg CO ₂ -eq/t) Economic model 4.366 05 415		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2 Scope 3	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95.415 3.413	compliant feed (kg CO ₂ -eq/t) Economic model 4.366 95.415 2322 29		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2 Scope 3 Total	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95.415 3,413 3,512,859	compliant feed (kg CO ₂ -eq/t) Economic model 4.366 95.415 2322.29 2422 071		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2 Scope 3 Total	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95.415 3,413 3,413 3512.859	C compliant feed (kg CO ₂ -eq/t) Economic model 4.366 95.415 2322.29 2422.071		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2 Scope 3 Total	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95.415 3,413 3512.859	compliant feed (kg CO ₂ -eq/t) Economic model 4.366 95.415 2322.29 2422.071		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2 Scope 3 Total	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95.415 3,413 3512.859	compliant feed (kg CO ₂ -eq/t) Economic model 4.366 95.415 2322.29 2422.071		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2 Scope 3 Total Table 3. GHG emissions by Emissions category Emissions category	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95.415 3,413 3512.859 category Biophysical (mass) model 1765 426	compliant feed (kg CO ₂ -eq/t) Economic model 4.366 95.415 2322.29 2422.071 Economic model		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2 Scope 3 Total Table 3. GHG emissions by Emissions category Fossil emissions Biogenic emissions	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95.415 3,413 3512.859 category Biophysical (mass) model 1765.426 304 913	compliant feed (kg CO ₂ -eq/t) Economic model 4.366 95.415 2322.29 2422.071 Economic model 1226.122 7.458		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2 Scope 3 Total Table 3. GHG emissions by Emissions category Fossil emissions Biogenic emissions Land use change emissions	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95.415 3,413 3512.859 category Biophysical (mass) model 1765.426 304.913 1442 521	compliant feed (kg CO ₂ -eq/t) Economic model 4.366 95.415 2322.29 2422.071 Economic model 1226.122 7.458 1188 492		
Table 1. Production year Year of production (yyyy) Table 2. GHG emissions by Emissions scope Scope 1 Scope 2 Scope 3 Total Table 3. GHG emissions by Emissions category Fossil emissions Biogenic emissions Land use change emissions Unspecified emissions	2024 scope GHG emissions per tonne of ASC Biophysical (mass) model 4.366 95.415 3,413 3512.859 category Biophysical (mass) model 1765.426 304.913 1442.521 0	compliant feed (kg CO ₂ -eq/t) Economic model 4.366 95.415 2322.29 2422.071 Economic model 1226.122 7.458 1188.492 0		

Table 4. GHG emission by Input / Activity

Input / Activity	Quantity (kg/t)	Biophysical (mass) model	Economic model
Soy crop inputs	289.4294327	1169.4139	1279.7584
Other crop inputs	426.343074	333.4453	603.554
Reduction fishery inputs	114.0113302	144.3477	139.378
Fishery by-product inputs	66.7070305	161.5075	30.9744
Poultry / livestock inputs	103.5104507	1424.0368	603.554
Other feed inputs	197.53	95.4	95.4
Transport and milling		184.6938	184.6938
Total	1197.531318	3512.845	2937.3126

Notes

All emissions values must be reported in units of kg $\rm CO_2$ -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.