



BIOMAR COSTA RICA'S ASC FEED REPORTS

REPORT TITLE: GHG EMISSION REPORT
PERIOD: JANUARY TO DECEMBER 2024
INDICATOR: 1.21.4



Table 1. Production year

Year of production (yyyy) 2024

Table 2. GHG emissions by scope

Emissions scope

	GHG emissions per tonne of ASC compliant feed (kg CO ₂ -eq/t)	
	Biophysical (mass) model	Economic model
Scope 1	67.58	67.58
Scope 2	11.14	11.14
Scope 3	1,047	809.65
Total	1125.55	888.37

Table 3. GHG emissions by category

Emissions category

	Biophysical (mass) model	Economic model
Fossil emissions	853.443	759.29
Biogenic emissions	83.703	47.61
Land use change emissions	163.094	56.98
Unspecified emissions	27.31	24.49
Total	1127.55	888.37

Table 4. GHG emission by Input / Activity

Input / Activity	Quantity (kg/t)	Biophysical (mass) model	Economic model
Soy crop inputs	399	271.73	245.264
Other crop inputs	364	337.29	234.136
Reduction fishery inputs	27	21.97	21.66
Fishery by-product inputs	121	74.92	75.219
Poultry / livestock inputs	12	115.84	9.786
Other feed inputs	77	116.36	112.867
Transport and milling		189.44	189.438
Total	1000	1127.55	888.37

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.

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