BIOMAR COSTA RICA'S ASC FEED REPORTS - TILAPIA

REPORT TITLE: GHG EMISSIONS
REPORT PERIOD: JANUARY TO DECEMBER 2025
INDICATOR: 1.21.5

Table 1. Production year

Year of production (yyyy)	2025

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	82.02	82.02
Scope 2	4.68	4.68
Scope 3	984	783.4
Total	1070.5	870.1

Table 3. GHG emissions by category

Emissions category	**Biophysical (mass) model**	**Economic model**
Fossil emissions	888.7	771.1
Biogenic emissions	46.6	54.3
Land use change emissions	135.2	44.7
Unspecified emissions	0	0
Total	1070.5	870.1

Table 4. GHG emission by Input / Activity

Input / Activity	**Quantity (kg/t)**	**Biophysical (mass) model**	**Economic model**
Soy crop inputs	477	248.6	254.6
Other crop inputs	347	288.2	280.3
Reduction fishery inputs	26	21	21
Fishery by-product inputs	104.8	62.2	64.7
Poultry / livestock inputs	22.8	215	18
Other feed inputs	22.4	17	13
Transport and milling		218.5	218.5
Total	1000	1070.5	870.1

Notes

All emissions values must be reported in units of kg 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.