BIOMAR COSTA RICA'S ASC FEED REPORTS - SERIOLA

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	50.24	50.24
Scope 2	2.83	2.83
Scope 3	1,195	920.53
Total	1247.7	973.6

Table 3. GHG emissions by category

Emissions category	**Biophysical (mass) model**	**Economic model**
Fossil emissions	943.3	857.2
Biogenic emissions	53	62.4
Land use change emissions	251.4	54
Unspecified emissions	0	0
Total	1247.7	973.6

Table 4. GHG emission by Input / Activity

Input / Activity	**Quantity (kg/t)**	**Biophysical (mass) model**	**Economic model**
Soy crop inputs	71.1	36.6	42
Other crop inputs	344.7	334	343.2
Reduction fishery inputs	269.1	233.1	237.5
Fishery by-product inputs	234.4	139.1	124
Poultry / livestock inputs	41.9	307	38
Other feed inputs	38.8	49	40
Transport and milling		148.9	148.9
Total	1000	1247.7	973.6

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.