## For A Net Zero World, Focus on Scope 3 Emissions in Agriculture

Scope 1	Scope 2	Scope 3
Direct	Indirect emissions	Value chain
emissions	of purchased energy	emissions
Total reported carbon footprint of the 43 largest		
food and beverage manufacturers*		
		88%
		0070
00/		
8%	4%	
	4/0	

Source: Hansen, Alexander Damkær, et al. "The Status of Corporate Greenhouse Gas Emissions Reporting in the Food Sector: An Evaluation of Food and Beverage Manufacturers." *Journal of Cleaner Production*, vol. 361, Elsevier BV, Aug. 2022, p. 132279. *Crossref*, https://doi.org/10.1016/j.jclepro.2022.132279.

\* [See cited source]: Based on a survey of 2018 public emission reports by the 50 largest food and beverage manufacturers worldwide (measured by revenue; 43 of the 50 surveyed companies reported some kind of emissions data). Emissions data were measured in metric tonnes of CO2 equivalents released over a duration of one year and expressed in million tonnes (Mt CO2-eq per year). The authors estimate that the actual total emissions were significantly higher due to company underreporting; reported emissions may only contain 23–47% of the total emissions related to the 50 companies' products.



