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


* [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.

<table>
<thead>
<tr>
<th>Scope 1</th>
<th>Scope 2</th>
<th>Scope 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct emissions</td>
<td>Indirect emissions of purchased energy</td>
<td>Value chain emissions</td>
</tr>
</tbody>
</table>

Total reported carbon footprint of the 43 largest food and beverage manufacturers*

<table>
<thead>
<tr>
<th>Scope 1</th>
<th>Scope 2</th>
<th>Scope 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>8%</td>
<td>4%</td>
<td>88%</td>
</tr>
</tbody>
</table>


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