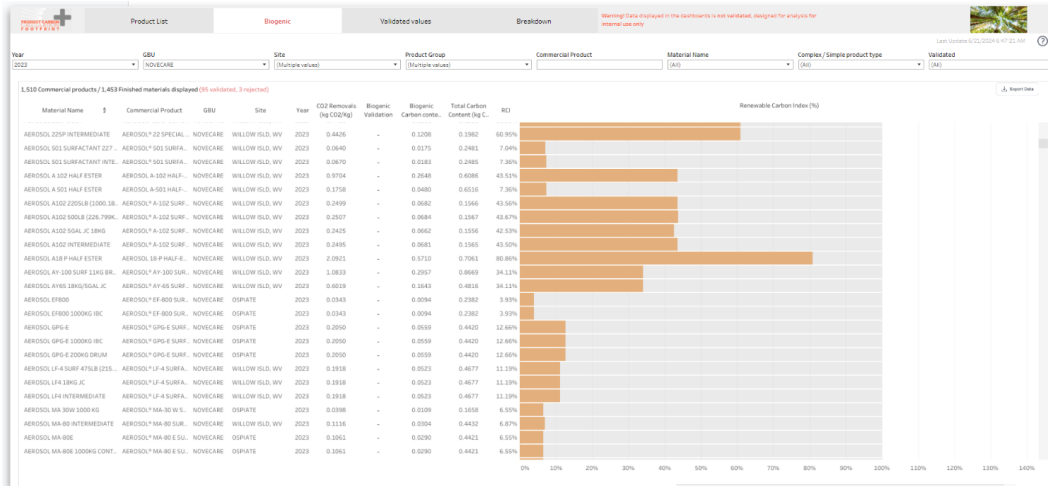


# Biogenic



## General Description:

Biogenic CO<sub>2</sub> refers to carbon in wood, paper, grass trimmings, and other biofuels that was originally removed from the atmosphere by photosynthesis and, under natural conditions, would eventually cycle back to the atmosphere as CO<sub>2</sub> due to degradation processes.

## Indicators:

Indicators	Definition	Calculation
RCI (Unit: %)	Renewable Carbon Index	$\frac{\sum_{Raw\ Materials} BCC_{rawmat} * TCC_{rawmat} * ActualQty_{RM} * Concentration\_factor}{TCC_{FP\ estimated} * Finished\_product\_qty\_from\_imep}$
Biogenic CO2 removals (Unit: kg CO2 / kg product)	CO2 removals induced by the biogenic carbon	$Biogenic\ CO2\ Removals\ [kgCO2/kg] = \frac{\sum_{Raw\ Materials} BCC_{rawmat} * TCC_{rawmat} * Quantity_{RM} * Concentration\_factor}{Finished\_product\_quantity} * 3.664$ <p>With :</p> <p>(Molar mass of CO<sub>2</sub>) / (Molar mass of carbon atom) = 3.664 due to :</p> <p>Molar mass of CO<sub>2</sub>: 44.01 g/mol</p> <p>Molar mass of Carbon atom : 12.011 g/mol</p>

## Data Sources:

Type	Data	Scope and Refresh
Flat Files data R&I Novocare	Raw Materials data: <ul style="list-style-type: none"> <li>BCC</li> <li>TCC</li> <li>Concentration factor</li> </ul>	Novocare, plant Clamecy and Winder
Flat Files data Supplier	Finished Product Data: <ul style="list-style-type: none"> <li>BCC</li> <li>TCC</li> <li>Concentration factor</li> </ul>	No data available for now

## Guided Tour: Using This Section

