Jamila's Ethical Decaf Coffee comparative to Conventional decaf

Decaffeinated coffee uses an additional extra 2% of beans per kilogram of instant coffee produced, due to a lower yield caused by the decaffeination process. There is also an additional energy associated with the decaffeination process, making the manufacturing emissions factor 3.82 kg CO_2e per kg instant coffee. The tins were assumed to be 172g total.

Jamila's Decaf				Conventional			
Emission Source	Emission Factor (kg CO_2e kg^{-1})	Multiplier	500 g	Emission Source	Emission Factor	Multiplier	500 g
Beans	0.352	2.244 * 0.5	0.395	Beans	11.105	2.244 * 0.5	12.46
Manufacture	3.82	0.5	1.91	Manufacture	3.82	0.5	1.91
Packaging	1.8216	0.5	0.911	Packaging	2.248	0.5	1.124
Exportation	0.1272	0.672	0.085	Exportation	0.1272	0.672	0.085
Total (kg CO_2e / tin)	-	-	3.301	Total	-	-	15.58

For Decaf, this provides an overall footprint of 3.301 kg CO_2e per 500 g tin of Jamila's coffee, compared with 15.580 kg CO_2e for the conventional equivalent. J**amila's Decaf therefore produces 78.8% less CO_2e**, with the conventional alternative producing approximately 4.7 times as much.



Jamila's ethical COFFEE

Every tin you buy helps biodiversity thrive

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