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	rovides packaging with my times L of packaging.	celium instead of E	PS. The difference in imp	pact is calculated per ye	ar and the t	otal impact of Grown.bio per year is calculated
Extraction	materials is the hemp used for fibers					
Production						
Reuse	we design the packaging it can be re-used as some	ething that is usual	ly made of PE, for examp	le a designer packagin	g for shoes t	om the manufacturer to the end-user) that can be used as a (designer) m in about 50% of our product
Waste	EPS is waste only. Non re	e-used mycelium w	vill be industrial composte	d		
Validation Strong points Sensitivity	The use of hemp (a na This ensures the positi	tural carbon sink) a	of Grown.bio	the use of expanded po	lystyrene, re	5:08 CET educes GHG emissions in two ways. ther amounts of energy and materials
xtraction Grov	wing hemp, cutting into fibe	er and drying	v -1,8 per kg	0,13 kg	Ev	-0.234
ma.	ck+trailer 24 tons net (max			128 dm(31eV	0.00347
roduction						<u> </u>
Flou	ur, wheat fresh	e e	0.68 per kg	0,006 kg	e	0.00408
Hea	at from steam (natural gas)	for chemical pro	0.07 per MJ	0,211 MJ	2	0.01477
drin		e e	0.00052 per kg		(4)	0.00006
PS 6		e e	v 3,9 per kg		2	-0.195
PV			0.0208 per MJ	0,125 MJ	V	0.0026
PS	(EPS, expandable polysty)	rene)*	3.56 per kg	0,05 kg	(4)	-0.178
	(HDPE, High density Poly	ethylene)*	2 per kg	0,01 kg	e	-0.02
aste PS	(Polystyrene) co-firing in e	electrical power p	0.28 per kg	0,05 kg	€ v	-0.014 -
Indu	ustrial composting of mycel	lium	0,036 per L	0,5 L	€v	0.018
Grown.	.bio's total impa	ct per year				Carbon footprint CO _r eq.
eco-costs of human health euro unknown eco-costs of eco-toxicity euro unknown			Impact p	er L of packaging		-0.598 kg
cco-costs of resource depletion euro unknown cco-costs of carbon footprint euro unknown			Impact of 2100000 times L of packaging			-1256 ton
Equivalent to			Impact validation			Valid, positive and significant All data and assumptions are approved
	5708	3 trees			258 A	verage human: ×