



OUR "PLANETARY" MISSION, SO TO SPEAK, IS TO CONTRIBUTE, SIGNIFICANTLY, TO AN INCREASED WORLD PRODUCTION OF HEMP TEXTILE, UP FROM THE CURRENT SHARE OF ONLY 0,1 %...

HERE IS ONE REASON:

IF ALL THE WORLD'S PRODUCTION OF 25 BILLION KG COTTON FIBRE P.A. WERE REPLACED WITH HEMP, THE PLANET COULD SAVE...

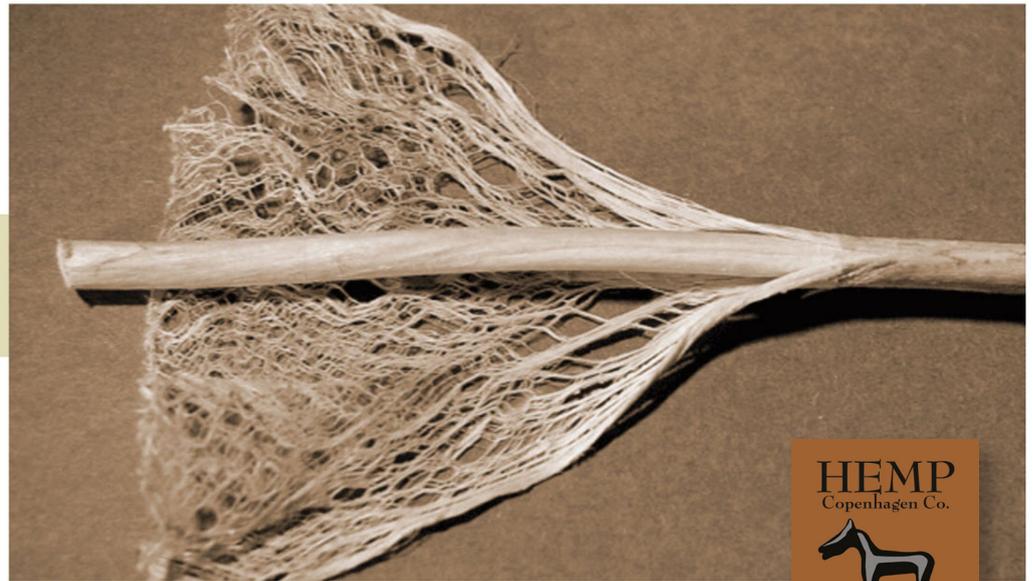
50 BILLION KG CO2!

55 BILLION M2 LAND!

125 BILLION T. FRESH WATER!

HEMP CPH // TEXTILES

ORGANIC, SUSTAINABLE, ANTIBACTERIAL BY NATURE



SUSTAINABILITY -FACTOR: *	Rayon of*** BAMBOO	COTTON	Organic COTTON	(Flax) LINEN	True HEMP
CHEMICALS (farming)	NO	YES	NO	SOME	NO
CHEMICALS (production)	YES	YES	NO	YES	NO
IRRIGATED WATER (liter/kg fibre)	ZERO	5000 L	3-5000 L	SOME	ZERO
LAND USAGE (1 kg fibre)	0,5 M2	3,4 M2	3,4 M2	2,0 M2	1,1 M2
CO2 - ABSORB. (tonnes/ha)	40*	5	5	10	22-44
STRENGTH & DURABILITY	1 X*	1 X	1 X	2 X	3 X**
ANTIBACTERIAL (odour-inhibition etc.)	SOME	NO	NO	SOME	MAX****
ABSORBENCY (moisture)	1 X	1 X	1 X	1 X	+ 30%

Sources: EU, UN, UNESCO and others. Figures are global averages. E.g., cotton requires an average of 10.000 liter water per kg fibre grown. Global average rainfall is 5000 liter/kg cotton (or per 3,4 m2), leaving a need for irrigation of 5000 liter water/kg cotton. Hemp requires 2000 liter/kg, leaving zero need for irrigation, on average.

TEXTILES COMPARISON: SUSTAINABILITY AND OTHER FACTORS

SUSTAINABILITY -FACTOR: *	Rayon of*** BAMBOO	COTTON	Organic COTTON	(Flax) LINEN	True HEMP
CHEMICALS (farming)	NO	YES	NO	SOME	NO
CHEMICALS (production)	YES	YES	NO	YES	NO
IRRIGATED WATER (liter/kg fibre)	ZERO	5000 L	3-5000 L	SOME	ZERO
LAND USAGE (1 kg fibre)	0,5 M2	3,4 M2	3,4 M2	2,0 M2	1,1 M2
CO2 - ABSORB. (tonnes/ha)	40*	5	5	10	22-44
STRENGTH & DURABILITY	1 X*	1 X	1 X	2 X	3 X**
ANTIBACTERIAL (odour-inhibition etc.)	SOME	NO	NO	SOME	MAX****
ABSORBENCY (moisture)	1 X	1 X	1 X	1 X	+ 30%

* Estimate. All other figures and assessments are from official sources, including UN, EU, UNESCO statistics and calculations thereof.

** Tests by Via University, DTU Denmark show after 70 washes hemp fabric shows no significant signs of weakening.

*** Bamboo is not a natural textile. It is "Rayon", made of fibre-based pulp, involving chemicals. Often wears faster than cotton.

**** All cellulosic ("woody") fibres such as bamboo, flax and hemp are somewhat antibacterial. Tests with hemp have shown up to 97% destruction of E Coli, Staffs and Candida within 4 hours. This extra anti-microbial quality is assigned to CBD and THC in Hemp. 1)

Cotton production:

<http://www.madehow.com/Volume-6/Cotton.html>

Linen production

<http://www.madehow.com/Volume-4/Linen.html>

Hemp Production:

<http://www.madehow.com/Volume-6/Industrial-Hemp.html>

1) Antibacterial test

<https://hemp-copenhagen.com/shop/cms-hemp-science.html>

©Hemp Copenhagen Co. hemp-copenhagen.com | hemp-copenhagen.dk