

Enhancing Transparency and Traceability of Sustainable Value Chains in the Garment and Footwear Sector

Landscape of Preferred Fiber and Material

30 October 2019

Textile Exchange

Textile Exchange inspires and equips people to accelerate sustainable practices in the textile value chain. We focus on minimizing the harmful impacts of the global textile industry and maximizing its positive effects.



Journey To Preferred

Drive and increase in the adoption of preferred fibers and materials



Preferred Fibers & Materials

Textile Exchange defines a preferred fiber or material as one which results in improved environmental and/or social sustainability outcomes and impacts in comparison to conventional production.



Level 3: Advanced regenerative and circular

Level 2: Progressive maximizing positive effects

Level 1: Improved minimizing harmful impacts

> Status-Quo conventional

Four levels of engagement. Each level has increasing requirements or criteria to satisfy, which seek to move the industry towards meeting the SDGs.

Industry and Collaboration



Alignment with existing industry tools.



Setting a direction of travel.



A detailed scoring matrix will be developed for Level 1, 2, and 3.



Fiber-specific performance requirements, to ensure that "hot spots" of each unique fiber type is prioritized.



A Portfolio Approach

Taking a portfolio approach means recognizing that there might not be one single fiber, material, or program that meets all requirements or business needs, and that a company's selection might change over time.

It can be achieved by....





Portfolio Options



Fiber Production

WOOL (1%) DOWN (0.3%)

SILK (0.1%)

POLYESTER (51.5%)





Cotton



Subject to publication of Preferred Fiber & Market Report 2019



Organic Cotton

3% (∽180,871 mt) organic cotton

Preferred Cotton 5.87 million mt



Subject to publication of Preferred Fiber & Market Report 2019



Cotton Value Chain





Organic Cotton Standards





Challenges

Environmental

Monoculture
Loss of seed varieties
GMOs

Agrichemicals

Water

 \mathbf{Y}

 $\mathbf{\mathbf{Y}}$

Soil degradation

Socio-Economic

Pove
Urba
Che

 $\mathbf{\mathbf{N}}$

- Poverty and debt
- Urban migration
- Chemical exposure
- Gender inequality
 - Child labour



1,926

2018

Polyester



Subject to publication of Preferred Fiber & Market Report 2019



Recycled Polyester Value Chain





Recycled Synthetics Standards





Challenges

Environmental

- Derived from petrochemicals
- Microfiber pollution
- Associated with climate change
 - Persistent in the environment

Socio-Economic

Cher

 $\mathbf{\mathbf{Y}}$

- Chemical exposure
- Air quality
 - Waste and contamination



Man Made Cellulosic Fibers





Subject to publication of Preferred Fiber & Market Report 2019



MMCF Value Chain





MMCF Standards





Challenges

Feedstock

- Deforestation $\mathbf{\mathbf{Y}}$
 - Indigenous communities
- \mathbf{Y} **Biodiversity**
- Y Old growth forests
- Y **Endangered species**

Processing

- $\mathbf{\mathbf{Y}}$ Y
 - Chemical use
 - Sludge / solid waste
- Y Water pollution
- Y Health and safety



Down



>270,000 mt of down and feathers produced globally



70–90% produced in China



75-90%

from ducks, rest from geese

% n





Down Value Chain





Down Standards





Wool



RESPONSIBLE WOOL STANDARD (NO. OF SITES)





Wool Value Chain





Wool Standard





Wool

Animal welfare

Land degradation

Intensive farming

Agrichemical use

Mulesing

Breeding / loss of diversity

Y

 $\mathbf{\mathbf{Y}}$

Y

 $\mathbf{\mathbf{Y}}$

Y

Challenges

Down

Animal welfare
Industrial farming
Waste and effluent
Live-plucking



Sustainability Standards in Blockchain



Thank you



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