fibre to fabric

16 June 2021

16:36

* 1. Cotton
  2. **Wool**
  3. **Silk**
  4. Nylon and other polymers

**Cotton**

cotton fields

Cotton spinning

[https://www.yhttps://www.youtube.com/watch?v=AIInvCKNRSwoutube.com/watch?v=AIInvCKNRSw](https://www.yhttps:/www.youtube.com/watch?v=AIInvCKNRSwoutube.com/watch?v=AIInvCKNRSw)

Cotton Weaving

<https://youtu.be/gFFxHmTqqyo>

<https://youtu.be/9OHbJQ90hfY>

SCOUURING :

scouring of wool , cotton and silk (text) :

<https://advancetextile86.blogspot.com/2020/08/what-is-scouring-process-cotton-wool-silk.html>

**WOOL**

Sheep:

Figure 3. A Navajo-Churro ram (photo by Jean, flickr).

**Figure 12. Corriedale sheep** (photo by Bob Nichols, USDA–NRCS).

Pasted from <<https://aces.nmsu.edu/pubs/_circulars/CR684/welcome.html>>

Figure 1. A Merino ram (photo by Cgoodwin, Wikimedia Commons).

**Figure 15. A South African Meat Merino (SAMM) ram** (NMSU photo)

alpaca

Alpaca

angora goat , turkey

The Changthangi or Chagra is a breed of cashmere goat native to the high plateaux of Ladakh in India. The cold temperatures in the region are the primary factor in the growth of the fine pashmina grade of cashmere wool for which they are reared.

Wool Processing:

<https://youtu.be/9UqhGlOaXwY>

Wool Weaving :

<https://youtu.be/ngLoJxssEao>

**SILK:**

Silkworm

Mulberry tree

The cocoon of a silkworm is made of one thread of raw silk from 300 to 900 meters (1000 to 3000 feet) long. About 2,000 to 5,000 cocoons are needed to make a pound of silk.

Pasted from <<https://www.youtube.com/watch?v=sqKbgqFpwbo>>

cocoon

Silk worm cycle

Nylon:

nylon synthesis:

<https://youtu.be/NQpTQFGKRN8>

Silk Processing and weaving :

<https://youtu.be/s4T-x0ObDqE>