

FABRICS AND YARNS CLASSIFICATIONS

Here are different fabric types as we currently know them

- Cotton / Linen
- Silk
- Wool
- Fur / Leather / Skin
- Glitter / Sequins
- Virgin Polyester
- Acrylic / Modacrylic
- Elastane
- Spandex
- Lycra
- Nylon + Polyamide
- Polyurethane



STOP

NO!

BUT WHY?

5 UNSUSTAINABLE Fabric Production Facts:

- **Polyester** = made from crude oil (petroleum), a non-renewable resource. Production processes are energy-intensive, producing large quantities of hazardous waste and emissions that can irreversibly damage the air, soil and water. Sheds micro fibres, which are bad for the environment!
- **Cotton** = a thirsty crop, that relies on synthetic pesticides and chemical fertilisers to meet the quantities of consumer demand, depleting water supplies from rivers, lakes and inland seas.
- **Silk** = vast quantities of synthetic pesticides, insecticides and chemical fertilisers are used to grow Mulberry trees. To produce 1kg of silk, 3000 silkworms must eat 104kg of Mulberry leaves and production processes kill the cocoon as the silken filament is extracted.
- **Cashmere** = an over-agricultural issue, as too many grazing Kashmir goats can ravish the land, decimate vegetation, removing nutrients from the soil with no top soil for foliage to grip onto. Studies show this leading to vast dust clouds forming over cities.
- **Real Fur** = Think about Animal Welfare and Animal Rights! Breeding animals especially for their skin. Animals are harmed in this process!

SO FIND GOOD SUSTAINABLE ALTERNATIVES!

- **Organic Cotton + Organic Linen**
- **Organic Silk**
- **Organic / Regenerated Wool**
- **“Free Range” animal hair**
- **Biodegradable Glitter + Biodegradable Sequins**
- **Recycled Polyester = Ocean Waste Bottles**
- **Regenerated Nylon “econyl” + Castor Oil Nylon**
- **Paper Yarn**
- **Bamboo**
- **Corn + Seaweed**
- **Banana “Banatex” + Pineapple “Pinatex”**
- **Cellophane / Acetate + Triacetate**
- **Hemp + Jute “Hessian” + Nettle “Ramie”**
- **Cupro – Lyocell – Tencel – Greencel – Modal – Lenzing – Ecovero**
- **Food Waste “Leather” = fish skin – mushrooms – pineapple – orange peel plus many more**
- **Milk / Eucalyptus**



5 Sustainable Fabric Production FACTS:

- **Recycled Polyester** – Ocean Waste Bottles = made from PET bottles – non-reusable plastic bottles found floating in the ocean! Think of this as a solution to a problem already caused, as PET comes from crude oil (petroleum).
- **Organic Cotton** = produced from rain-fed fields, where natural pesticides are used, by “companion planting” certain things that attract the required pests to grow healthy cotton plants. “Crop rotation” also brings further nutrients to the soil, which in turn naturally fertilises the cotton fields!
- **Organic Silk** = where less pesticides, insecticides or harsh chemicals are used in the extraction of silken filaments. Large areas of Mulberry woodland is still required, but the silkworm emerges from the cocoon naturally, prolonging the life cycle of each silk moth.
- **“Pinatex”** = made from the leaves of Pineapples, created by felting the long fibrous leaves together to create a non-woven substrate. The pineapple industry produces 40,000 tons globally of waste pineapple leaves each year, which are usually left to rot or be burned. The waste from 16 pineapple plants (approx. 480 leaves) are needed to create 1m² of material.
- **“Cupro”** = a regenerated cellulose fibre made from cotton linter, the by-product of the industrial cotton harvest, specifically the waste fibres that are too small to spin. “Cupro” breathes like cotton and is similar to rayon. It is biodegradable (within 2 months) as well as easily recycled, as it is made from 100% plant-based materials.

HERE IS A LIST OF POSSIBLE FABRICS TO CHOSE FROM

YES!