

# Shearing The processing of British wool

In Britain there are more than 60 hill, mountain and downland sheep breeds, which produce in the region of 27 million kilos of fleece wool annually.

#### The shearing process

Once a year,
usually in the warmer
months, sheep are gathered
for shearing. This does
not hurt the sheep
and is required for
their welfare.

A professionally trained shearer is a skilled and careful practitioner, able to shear one sheep in less than two minutes - 250 sheep in one day.

Depending on the breed, a fleece can weigh anywhere between 1.5 - 10kgs.

#### **Wool sheets**

Fleeces must be kept clean and dry after shearing. Each one is rolled and then packed into a big sack called a 'wool sheet' ready for delivery to British Wool for grading.



## Grading

### The processing of British wool

All raw wool from the British Wool farming community is delivered to a British Wool grading depot, part of a national network owned and operated by British Wool.

#### The grading process

The fleece is graded using a series of criteria (such as colour, length and strength of the staple) into quality and type. These range from short, fine Downland wool to the coarser Hill and Mountain breeds.

Fleeces of the same grade are pressed into tight bulk bales for efficient handling and storage before and after sale.

Samples of every bale are objectively measured and tested to international standards for length, thickness, colour and amount of grease and vegetable matter. The average of the readings is provided on every certificate to accompany every sale lot.

### What does grading involve?

The grading process involves a detailed examination of each raw fleece (grading), packing and testing.



buyers also have the option of viewing the sample bales of wool before a sale takes place.

headquarters. Wool is sold electronically and bidding is in pence and half pence per kilo.

#### **British Wool auctions**

All wool is offered through our fully computerised auction system with a catalogue being produced and sent to all buyers a week before the sale. All sales are held our Bradford headquarters.



#### Lanolin

Wool loses about 30% of its weight when the grease is removed. This is purified to produce lanolin, and used in face and hand cream, soap and ointment.



Carded wool is removed from the machines as a continuous ribbon of loose fibres. This is now ready for further processing - spinning as part of the woollen process or combing as part of the worsted process.



#### Combed wool

The combed wool is now ready for spinning. Wool to be used for woollen yarn is not combed, the fibres require a natural texture ready for spinning.



Woollen process: long and short fibres distributed at random. Worsted process: Long fibres lying in parallel.



#### Yarn

The spinning process produces yarn which is ready for weaving into cloth or carpet. The principle is the same for both.



### Dyeing

The processing of British wool

The dyeing process

#### **Loose Stock Dyeing**

This method is carried out before carding, and is more common in the woollen process.

#### Top Dyeing

Only carried out in the worsted process.

#### Package Dyeing

Dyeing the spun yarn in a hank (shown above) or on a cone.

#### Dyeing

Dyeing can take place at different stages of wool processing.