

CRC

Premium

for

Quality

Wool

Wool Metrology & Technology in Context

Produced for the CRC for Premium Quality Wool undergraduate program by; Dr. Peter Auer, The University of New South Wales.

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Wool Technology Overview

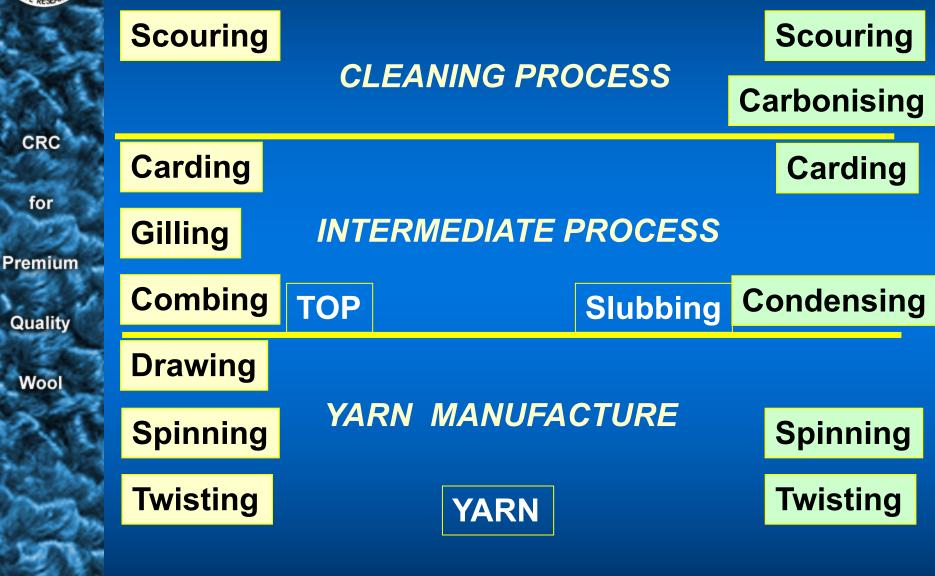
- Growing
- Shearing
- Lotting
- Blending
- Scouring
- Carbonising
- Carding
- Gilling
- Combing
- Finishing

- Drafting
- Spinning
- Folding
- Weaving / Knitting
- Dyeing / Finishing
- Garment Manufacture
- Retailing
- Recycling



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Worsted or Woollen?



www.woolwise.com



WORSTED

- Yarns fine, smooth & strong
- Fabrics expensive, smooth & strong
- Garments suits, garments worn close to skin

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WOOLLEN

- Yarns thicker and relatively weak
- Fabrics often harsher handling
- Garments outer garments, blankets

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Wool Metrology

- sale lots (baled fleeces)
 - greasy colour, style, length, strength
 - SUBJECTIVE APPRAISAL
- staples
 - length, strength, style
 - **OBJECTIVE MEASUREMENT**
- fibres
 - diameter, yield, VM content, curvature, scoured colour, processed length
 - OBJECTIVE MEASUREMENT



Context of Metrology

Marketing

- specifications for sale
- marketing advantage

Process Control

- QA (certainty)
- Efficiency (\$\$)
- Optimisation (\$\$)

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