

"Length After Carding" for Australian Carding Wools

Produced for the CRC for Premium Quality Wool undergraduate program by;

Ms. Lorraine Osborne, The University of New South Wales.



Standards

- New Zealand standard NZS 8719
 - currently used in trading deliveries of NZ scoured wool
- no Australian standard
 - AWTA offer report based on NZ standard
- development of combined standard
 - working group within TX/12 Raw Wool
 Standards Committee



CRC

for

Premium

Quality

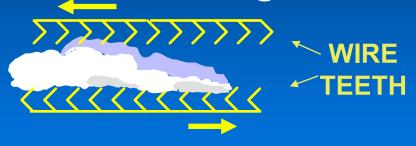
Wool

Measurement Procedure

1. Clean wool

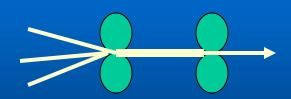


2. Carding action

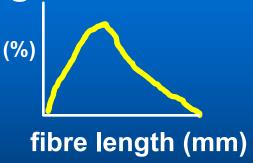


SOME FIBRES BROKEN

3. Preparation for measurement



4. Measure fibre length distribution





CRC

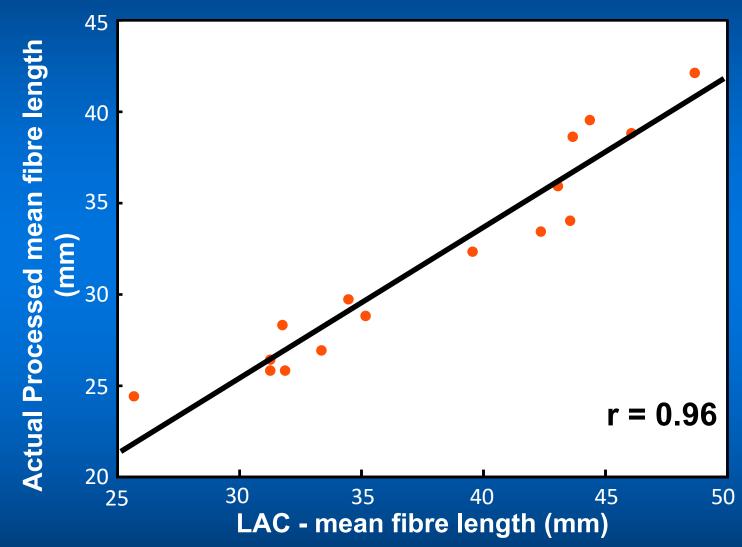
for

Premium

Quality

Wool

Comparison of Fibre Length





CRC

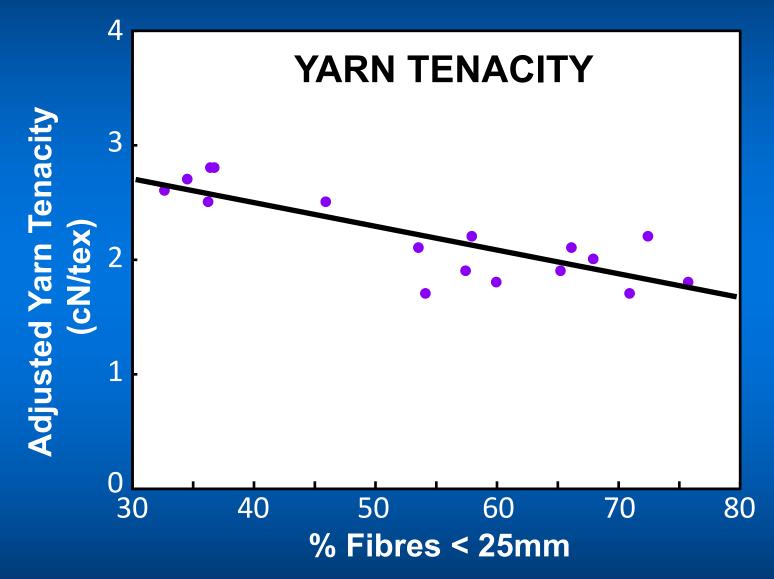
for

Premium

Quality

Wool

LAC and Yarn Strength



Lorraine Osborne Source: Mahar, T. J. et al. (1996)



Prediction of LAC

LAC = 0.65SL - 0.20CVsI + 0.94D - 3.9CF

Parameters:

SL - staple length

CVsl - coefficient of variation of SL

D - fibre diameter

CF - carbonised factor: yes = 1, no = 0

Predicted LAC vs Measured LAC $R^2 = 0.86$