CRC for Premium Quality Wool

The Implications of Raw Wool Properties to a Top-maker

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

- staple length
- staple strength
- POB
  - equally important for H
  - included in TEAM

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Raw Wool Parameters

- **Mean Diameter**
  - higher in tops
    - ~0.2μm
  - greatest price effect
  - effect on H
  - included in TEAM
- **CV Diameter**
  - 8% in top
  - not in customer specs yet
  - no raw wool information yet
    - niche markets only
  - can't assess effect on H

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Raw Wool Parameters

- VM
  - effect on yield
  - effect on plant settings
  - VM types
  - effect on H
    - fibre breakage
- Style
  - possible effect on H
  - refine TEAM II?
    - more info needed
    - fine tuning only
- Crimp effects
  - mills interested

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Other Parameters

- **Yield**
  - Wool Base
  - Top & Noil Yield
    - affects price paid
    - affects costs incurred
- **Colour**
  - important to end-users
    - blends
    - dyeing

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Processing Example

Two tops produced for Japan - 2 X 48's Weaving Yarn

	TOP A	TOP B
• H	72	67
• CVH	45	49
• <40mm	20%	25%
• SS	38	32
• SL	85-90	85-90

Which top do you think would spin better?

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