



CRC

for

Premium

Quality

Wool

Assessed and Measured Wool Colour

Produced for the CRC for Premium Quality Wool undergraduate program by;
Dr. Brad Crook, The University of New England.



Assessed Greasy Wool Colour (AWEX colour codes)

Code	Description	% Aust. bales 1992/93 - 1994/95
H ¹	light unscourable	9.9
H ²	medium unscourable	1.1
H ³	heavy unscourable	0.05
N	water (bacterial) stain	n.a.

CRC
for
Premium
Quality
Wool



% discounts for colour fault in Merino fleece wool, relative to no colour fault

	Fine 18.6 - 20.5µm	Medium 20.6 - 22.5µm	Broad 22.6 - 24.5µm
H ¹	1 - 5%	1 - 4%	1 - 2%
H ²	4 - 11%	3 - 8%	2 - 5%
H ³	7 - 15%	8 - 11%	6 - 15%
N	n.a.	3 - 6%	n.a.

1993/94 - 1996/97

Brad Crook

Source: IWS Pricemaker Quarterly

CRC

for

Premium

Quality

Wool



Measured Wool Colour

- two components:
 - brightness (reflectance)
 - Y value: as Y ↑, brightness ↑
 - yellowness (colour)
 - Y-Z value: as Y-Z ↑, yellowness ↑
- usually measured as clean colour (i.e. after scouring)
- greasy colour may or may not be scorable

CRC

for

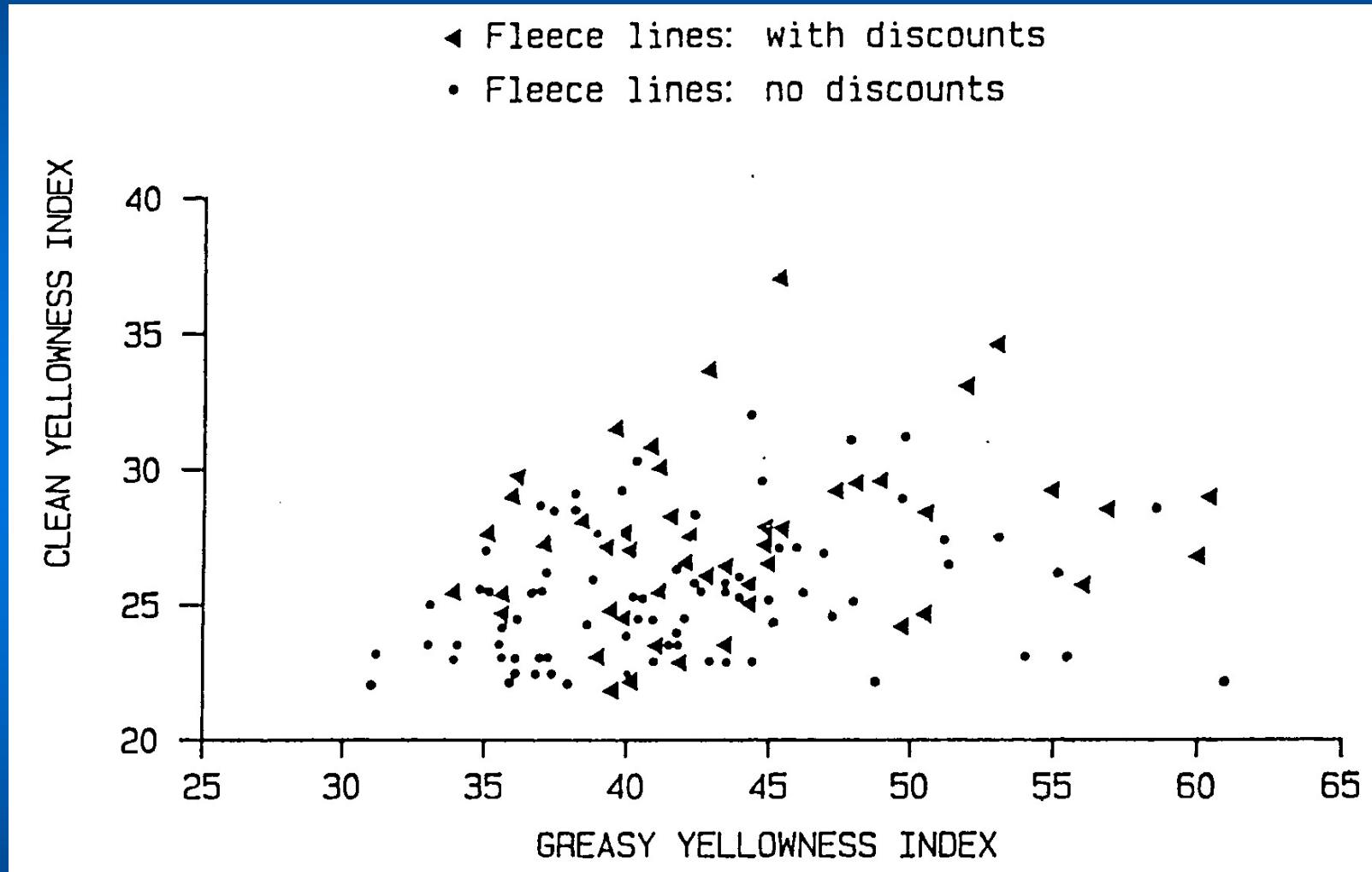
Premium

Quality

Wool



Greasy vs Clean Colour



CRC

for

Premium

Quality

Wool

Brad Crook

Source: Pattinson and Whiteley (1984)