



CRC

for

Premium

Quality

Wool

# Resistance to Wool Discolouration

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



# Susceptible vs Resistant types

Trait	Range	Susceptible types have
suint content (%)	1.4-15.4	higher
wax/suint ratio	1.6-20.4	lower
potassium content in suint (mg/g)	0.4-19.9	higher
fresh suint pH	4.5-8.5	higher
yield (%)	55.4-86.5	lower
fibre diameter ( $\mu\text{m}$ )	19.4-29.7	higher

No difference between susceptible and resistant types in terms of amino acid composition of wool fibres

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# Merino strain comparison: wax and suint

	Wax %	Suint %	Wax:suint ratio
Fine	18.3 – 23.2	7.0 – 9.2	2.2 – 3.9
Medium non-Peppin	16.9 – 17.8	7.2 – 9.1	2.0 – 2.8
Medium Peppin	17.0 – 22.0	7.7 – 11.1	1.7 – 2.7
Strong	14.3	8.6	1.7

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