



CRC

for

Premium

Quality

Wool

Follicle Density

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

- Every animal has the potential to develop a maximum number of follicles
- Influenced by :
 - neonatal environment
 - twins vs single fetuses
 - maiden ewes
 - liveweight loss of the ewe during pregnancy
 - age
 - genotype (breed)

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Effect of genotype and nutrition on follicle and fibre number

Breed	Follicle density (mm ⁻²)	Skin area (m ²)	Total fibres (million)
Lincoln			12.8
Leicester- Merino			20 - 33
Saxon Mo	49 - 87	0.98	48 - 85
Spanish Mo	56	1.22	68
Peppin Mo	57 - 80	1.33	76 - 106
SA strongwool	30 - 50	1.49	45 - 75
Merino - High nutrition			62.6
Merino - Low nutrition			48.3

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