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for

Premium

Quality

Wool

# The “Soft Rolling Skins” System

Produced for the CRC for Premium Quality Wool undergraduate program by;  
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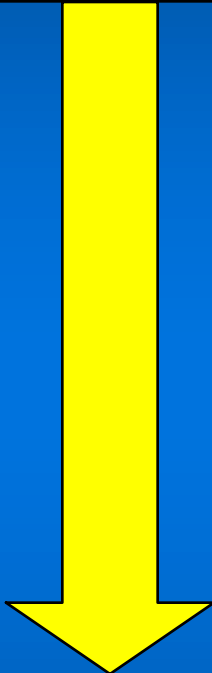
# The SRS concept

**Within-flock  
selection strategy**



**Skin type**

**Ram source  
Bloodline substitution**



**Within-flock  
mating strategy**



# Skin types: skin traits (proposed)

	<b>Soft rolling skin</b>	<b>Heavy tight skin</b>	<b>Flat skin</b>
Density	High	Moderate	Low
S:P	High	Moderate to Low	Moderate
Depth	Deep	Moderate	Mod. to shallow
Curvature	Low	Moderate to High	Moderate to High
Variation: Depth Curvature Bulb size	Low Low Low	Mod.-High Mod.-High Mod.-High	Low - Mod. Low - Mod. Low - Mod.
Skin	Loose & mobile	Tight & pin-wrinkled	Plain

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Source: Elliot (1996), Watts (1995)



# Skin types: wool traits (proposed)

	<b>Soft rolling skin</b>	<b>Heavy tight skin</b>	<b>Flat skin</b>
Fleece weight	High	Mod. to High	Low
Diameter: Mean Variation	Low Low	Moderate Mod. to High	Moderate Low to Mod.
Staple length	High	Moderate	Moderate
Crimp: Frequency Definition	Low High	Mod. to High Low to Mod.	Mod. to High Mod. to High
Nourishment	Good	Heavy to Dry	Dry
Wool Colour	White	White to Yellow	White

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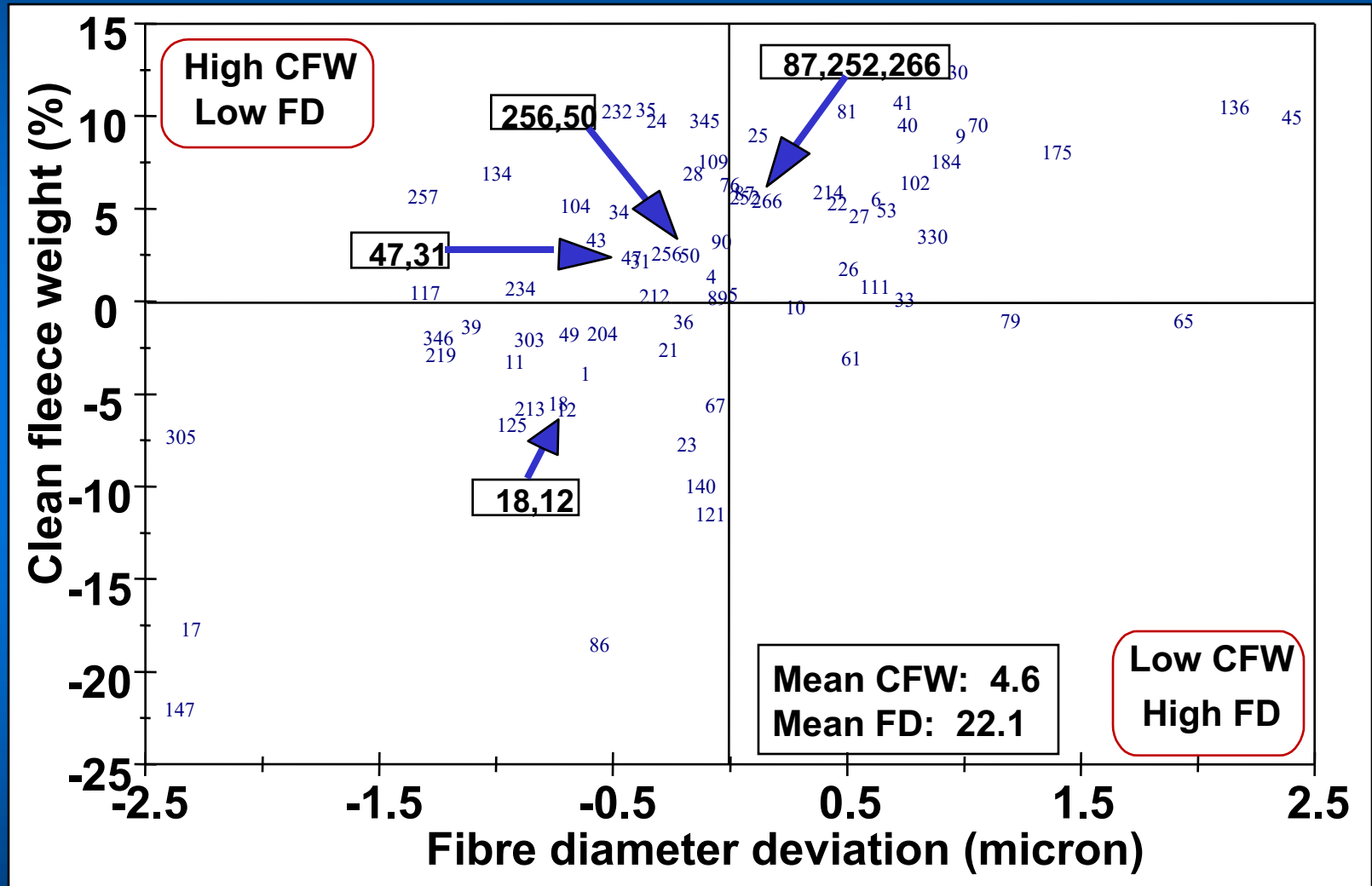
# SRS: Mate allocation

Sire	Attributes	Assign to:
Banavie 500	<ul style="list-style-type: none"><li>• deeply crimped wool</li><li>• low FD and CVFD</li></ul>	<ul style="list-style-type: none"><li>• strong and medium ewes</li><li>• ewes of high CVFD</li><li>• some top ewes</li></ul>
Bindawarra 001	<ul style="list-style-type: none"><li>• very large</li></ul>	<ul style="list-style-type: none"><li>• finer medium wool ewes</li><li>• some smaller ewes</li><li>• some plainer ewes</li><li>• some of best ewes</li></ul>
White 292	<ul style="list-style-type: none"><li>• smooth, loose &amp; pliable skin</li><li>• very large</li></ul>	<ul style="list-style-type: none"><li>• flat, white wool ewes</li><li>• some smaller ewes</li><li>• some of best ewes</li></ul>

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# Bloodline CFW / FD Deviations 1984 - 1995 Wether Trial Analysis



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Source: Coelli et al. (1996)