

CRC

for

Premium

Quality

Wool

WOOLPLAN

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

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WOOLPLAN: Breeding Objectives

227	Option	Micron Premium
CRC	1 CFW, RR, HWT, MWT increase; slight decrease in FD	5 %
for	2 As for 1, but FD maintained at curre	ent
mon and	flock level	1-2 %
Premium	3 As for 1, but moderate emphasis	
Ouslitu	on reducing FD	10 %
Quality	4 As for 1, but strong emphasis	
Wool	on reducing FD	20 %
2.15	5 Breeder-specific economic values	? %

Brad Crook Source: Ponzoni (1991)



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Phenotypic and Genetic Parameters used in WOOLPLAN

		GFW	CFW	FD	NLW	HWT	BWT
RC	GFW	0.35	0.85	0.13	-	0.30	-
or	CFW	0.75	0.40	0.20	-	0.30	-
nium	FD	0.16	0.25	0.50	-	0.13	-
ality	NLW	-0.10	-0.10	-0.10	0.10	-	-
ool	HWT	0.20	0.20	0.10	0.25	0.40	-
	BWT	0.20	0.20	0.10	0.25	0.80	0.40
35	V _P	0.28	0.25	4.70	0.22	20.25	20.25
1. Same	P						

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Brad Crook Source: Ponzoni (1991)

CHARTY BUAUTY MOO	Predicted genetic change after 10 years of index selection, based on CFW, FD and HWT								
CRC for	Option	CFW (kg)	FD (µm)	NLW (%)	HWT (kg)				
Premium	1	0.465	-1.78	2.9	2.51				
Quality	2	0.691	0	0.5	3.23				
Wool	3	0.196	-2.81	4.1	1.45				
	4	-0.017	-3.25	4.6	0.54				

Brad Crook Source: Ponzoni (1991)

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Challenges to WOOLPLAN

- low level of understanding of concepts and terms
- different opinions as to what constitutes profit
- perceived lack of flexibility and "proof"
- concerns over wool quality
- lack of confidence in test figures
- the WA "Code of Practice" issue