

Table 1. **Dual Purpose (Maternal) index 2017** traits and weightings

Sub-index	Sub-index short name	Goal trait breeding value full name	Breeding value short name	Economic weight (cents per ewe lambing)
NZ Standard Maternal Worth	NZMW	DPG + DPA + DPR + DPS + DPW		
Lamb Growth	DPG	Weaning weight – direct	WWT	122
	"	Weaning weight – maternal	WWTM	140
	"	Carcass weight	CWT	467
Adult Size	DPA	Ewe weight	EWT	-147
Reproduction	DPCR	Capped Number of lambs born	NLBCOM	<i>Non-linear</i>
		DPCR = 8805.7 x NLBCOM - 2064.7 x (NLBCOM) ² - 8364.8 if (NLBCOM < 2.13); else DPCR=1024.0		
Survival	DPS	Survival to weaning – direct	SUR	12274
		Survival to weaning – maternal	SURM	11136
Wool	DPW	Lamb fleece weight	LFW	341
		Hogget fleece weight	FW12	153
		Adult fleece weight	EFW	443
		Hogget fibre diameter	FDIAM	
		Adult fibre diameter	AFDIAM	
Wool Quality		CV of fibre diameter	FDIACV	
		Curvature	FCURV	
		Staple length	STAPLN	
		Brightness (Y)	COLY	
		Yellowness (Y-Z)	COLYZ	
Meat Yield	DPM	Hindquarter lean yield	HQLY	555
		Loin lean yield	LNLY	791
		Shoulder lean yield	SHLY	419
		Fat yield	FATY	
Twinning Rate	DPT	Twinning rate adjusted for NLB	TWIN	4571
Reproduction (Linear)	DPR	Number of lambs born (litter size)	NLB	2954
Hogget Lambing	DPH	Hogget fertility	HFER	1390
		Hogget litter size	HNLB	620
WormFEC	DPF	FEC1%	FEC1	-5.21
		FEC2%	FEC2	-5.21
		Adult FEC%	AFEC	-3.93
Resilience	DPZ	Age when first drenched	DRAGE	2.35
		Live weight gain under parasite challenge	RGAIN	12.53
Dag Score	DPD	Lamb Dag Score	LDAG	-59
		Adult Dag Score	ADAG	-62
Facial Eczema	DPX	GGT21	GGT21	-1947
Body Condition	DPBC	Body Condition Score	BCS	1941

Indexes green highlighted included in NZMW

NLBCOM is an individual's predicted commercial reproduction phenotype calculated from its NLBBV

Table 2. **Terminal Sire index 2017** traits and weightings

Sub-index	Sub-index short name	Goal trait breeding value full name	Breeding value short name	Economic weight (cents per lamb born)
NZ Standard Terminal Worth	NZTW	TSG + TSM + TSS		
Lamb Growth	TSG	Weaning weight – direct	WWT	61
		Weaning weight – maternal	WWTM	
	"	Carcass weight	CWT	243
Adult size		Ewe weight	EWT	
Meat Yield	TSM	Hindquarter lean yield	HQLY	301
		Loin lean yield	LONLY	429
		Shoulder lean yield	SHLY	227
		Fat yield	FATY	-126
Survival	TSS	Survival to weaning – direct	SUR	6066
		Survival to weaning – maternal	SURM	
Wool		Lamb fleece weight	LFW	
		Hogget fleece weight	FW12	
		Adult fleece weight	EFW	
		Hogget fibre diameter	FDIAM	
		Adult fibre diameter	AFDIAM	
Wool Quality		CV of fibre diameter	FDIACV	
		Curvature	FCURV	
		Staple length	STAPLN	
		Brightness (Y)	COLY	
		Yellowness (Y-Z)	COLYZ	
Reproduction		Number of lambs born (litter size)	NLB	
Twinning Rate		Twinning rate adjusted for NLB	TWIN	
Hogget Lambing		Hogget fertility	HFER	
		Hogget litter size	HNLB	
WormFEC	TSF	FEC1%	FEC1	-2.60
		FEC2%	FEC2	-2.60
		Adult FEC%	AFEC	
Resilience		Age when first drenched	DRAGE	
		Live weight gain under parasite challenge	RGAIN	
Dag Score	TSD	Lamb Dag Score	LDAG	-17
		Adult Dag Score	ADAG	
Facial Eczema		GGT21	GGT21	
Body Condition		Body Condition Score	BCS	

Indexes green highlighted included in NZTW

Table 3. **Mid-Micron index 2017** traits and weightings

Sub-index	Sub-index short name	Goal trait breeding value full name	Breeding value short name	Economic weight (cents per ewe lambing)
Lamb Growth	DPG	Weaning weight – direct	WWT	122
	"	Weaning weight – maternal	WWTM	140
	"	Carcass weight	CWT	467
Adult size	DPA	Ewe weight	EWT	-147
Meat Yield	DPM	Hindquarter lean yield	HQLY	555
		Loin lean yield	LNLY	791
		Shoulder lean yield	SHLY	419
		Fat yield	FATY	
Fine Wool	MMW	Lamb fleece weight	LFW	
		Clean Hogget fleece weight	CFW12	279
		Clean Adult fleece weight	CEFW	796
		Hogget fibre diameter	FDIAM	-66
		Adult fibre diameter	AFDIAM	-249
Wool Quality	MMQ	CV of fibre diameter	FDIACV	-24
		Curvature	FCURV	0
		Staple length	STAPLN	9
		Brightness (Y)	COLY	26
		Yellowness (Y-Z)	COLYZ	-18
Reproduction	DPR	Number of lambs born (litter size)	NLB	2954
Twinning Rate		Twinning rate adjusted for NLB	TWIN	<i>Not available</i>
Hogget Lambing		Hogget fertility	HFER	<i>Not available</i>
		Hogget litter size	HNLB	<i>Not available</i>
Survival	DPS	Survival to weaning – direct	SUR	12274
		Survival to weaning – maternal	SURM	11136
WormFEC	DPF	FEC1%	FEC1	-5.21
		FEC2%	FEC2	-5.21
		Adult FEC%	AFEC	-3.93
Resilience		Age when first drenched	DRAGE	
		Live weight gain under parasite challenge	RGAIN	
Dag Score	DPD	Lamb Dag Score	LDAG	-59
		Adult Dag Score	ADAG	-62
Facial Eczema		GGT21	GGT21	
Body Condition		Body Condition Score	BCS	

Table 4. **“Medium-fine” Fine Wool (FWm) index 2010** traits and weightings - updated August 2016

Sub-index	Sub-index short name	Goal trait breeding value full name	Breeding value short name	Economic weight (cents per ewe lambing)
Lamb Growth	FWG	Weaning weight – direct	WWT	111
	"	Weaning weight – maternal	WWTM	93
	"	Carcass weight	CWT	58
Adult size	"	Ewe weight	EWT	-150
Meat Yield		Hindquarter lean yield	HQLY	
		Loin lean yield	LNLY	
		Shoulder lean yield	SHLY	
		Fat yield	FATY	
Fine Wool	FWmW	Lamb fleece weight	LFW	
		Clean Hogget fleece weight	CFW12	1219
		Clean Adult fleece weight	CEFW	931
		Hogget fibre diameter	FDIAM	-1378
		Adult fibre diameter	AFDIAM	-664
Wool Quality	FWmQ	CV of fibre diameter	FDIACV	-231
		Curvature	FCURV	-9
		Staple length	STAPLN	22
		Brightness (Y)	COLY	59
		Yellowness (Y-Z)	COLYZ	-59
Reproduction	FWR	Number of lambs born (litter size)	NLB	2618
Twinning Rate		Twinning rate adjusted for NLB	TWIN	
Hogget Lambing		Hogget fertility	HFER	<i>Not available</i>
		Hogget litter size	HNLB	<i>Not available</i>
Survival	FWS	Survival to weaning – direct	SUR	6412
		Survival to weaning – maternal	SURM	2630
WormFEC	FWmF	FEC1%	FEC1	-2.3
		FEC2%	FEC2	-2.3
		Adult FEC%	AFEC	-3.1
Resilience		Age when first drenched	DRAGE	
		Live weight gain under parasite challenge	RGAIN	
Dag Score		Lamb Dag Score	LDAG	<i>Not available</i>
		Adult Dag Score	ADAG	<i>Not available</i>
Facial Eczema		GGT21	GGT21	
Body Condition		Body Condition Score	BCS	

DPA Index updated August 2016

Table 5. **“Fine” Fine Wool (FWf) index 2010** traits and weightings - updated August 2016

Sub-index	Sub-index short name	Goal trait breeding value full name	Breeding value short name	Economic weight (cents per ewe lambing)
Lamb Growth	FWG	Weaning weight – direct	WWT	111
	"	Weaning weight – maternal	WWTM	93
	"	Carcass weight	CWT	58
Adult size	"	Ewe weight	EWT	-150
Meat Yield		Hindquarter lean yield	HQLY	
		Loin lean yield	LONLY	
		Shoulder lean yield	SHLY	
		Fat yield	FATY	
Fine Wool	FWfW	Lamb fleece weight	LFW	
		Clean Hogget fleece weight	CFW12	2483
		Clean Adult fleece weight	CEFW	1883
		Hogget fibre diameter	FDIAM	-3095
		Adult fibre diameter	AFDIAM	-1255
Wool Quality	FWfQ	CV of fibre diameter	FDIACV	-437
		Curvature	FCURV	-40
		Staple length	STAPLN	71
		Brightness (Y)	COLY	45
		Yellowness (Y-Z)	COLYZ	-200
Reproduction	FWR	Number of lambs born (litter size)	NLB	2618
Twinning Rate		Twinning rate adjusted for NLB	TWIN	
Hogget Lambing		Hogget fertility	HFER	<i>Not available</i>
		Hogget litter size	HNLB	<i>Not available</i>
Survival	FWS	Survival to weaning – direct	SUR	6412
		Survival to weaning – maternal	SURM	2630
WormFEC	FWfF	FEC1%	FEC1	-4.8
		FEC2%	FEC2	-4.8
		Adult FEC%	AFEC	-6.3
Resilience		Age when first drenched	DRAGE	
		Live weight gain under parasite challenge	RGAIN	
Dag Score		Lamb Dag Score	LDAG	<i>Not available</i>
		Adult Dag Score	ADAG	<i>Not available</i>
Facial Eczema		GGT21	GGT21	
Body Condition		Body Condition Score	BCS	

DPA Index updated August 2016

Table 6. **“Super-fine” Fine Wool (FWs) index 2010** traits and weightings - updated August 2016

Sub-index	Sub-index short name	Goal trait breeding value full name	Breeding value short name	Economic weight (cents per ewe lambing)
Lamb Growth	FWG	Weaning weight – direct	WWT	111
	"	Weaning weight – maternal	WWTM	93
	"	Carcass weight	CWT	58
Adult size	"	Ewe weight	EWT	-150
Meat Yield		Hindquarter lean yield	HQLY	
		Loin lean yield	LONLY	
		Shoulder lean yield	SHLY	
		Fat yield	FATY	
Fine Wool	FWsW	Lamb fleece weight	LFW	
		Clean Hogget fleece weight	CFW12	7171
		Clean Adult fleece weight	CEFW	3999
		Hogget fibre diameter	FDIAM	-10829
		Adult fibre diameter	AFDIAM	-7136
Wool Quality	FWsQ	CV of fibre diameter	FDIACV	-2484
		Curvature	FCURV	-40
		Staple length	STAPLN	71
		Brightness (Y)	COLY	45
		Yellowness (Y-Z)	COLYZ	-200
Reproduction	FWR	Number of lambs born (litter size)	NLB	2618
Twinning Rate		Twinning rate adjusted for NLB	TWIN	
Hogget Lambing		Hogget fertility	HFER	<i>Not available</i>
		Hogget litter size	HNLB	<i>Not available</i>
Survival	FWS	Survival to weaning – direct	SUR	6412
		Survival to weaning – maternal	SURM	2630
WormFEC	FWsF	FEC1%	FEC1	-14.0
		FEC2%	FEC2	-14.0
		Adult FEC%	AFEC	-18.5
Resilience		Age when first drenched	DRAGE	
		Live weight gain under parasite challenge	RGAIN	
Dag Score		Lamb Dag Score	LDAG	<i>Not available</i>
		Adult Dag Score	ADAG	<i>Not available</i>
Facial Eczema		GGT21	GGT21	
Body Condition		Body Condition Score	BCS	

DPA Index updated August 2016