

Leader List Reporting Criteria

SIL Leader Lists are designed to provide a balance between high merit and high reliability. They are based on New Zealand Genetic Evaluation (NZGE) analysis and are updated at approximately two month intervals.

Leader Lists are published on the SIL website: www.sil.co.nz

Criteria for Leader List eligibility

1. **Sires must have had progeny within the previous three years**
2. **Sires must have a recorded sire and dam**
3. **Must be connected for the trait (single trait lists), or for all component traits of indexes**
E.g. New Zealand Terminal Worth (NZTW) flock must be connected for Survival, Growth and Meat
4. **Must meet minimum accuracy thresholds for trait or index (see Table 1 for detail)**
Accuracy is a function of the number of records, the closeness of the relative's records and the heritability of the trait.

Table 1. Criteria for Leader List eligibility

Criteria	Production system	Flocks connected for	Pedigree	Combined index accuracy %	
Indexes					
NZMW	DP	RSGW	Sire & Dam	NZMW	acc ≥ 70
NZMW with Dag Score	DP	RSGW Dags	Sire & Dam	NZMW+D	acc ≥ 70
NZMW with F Eczema	DP	RSGW F Eczema	Sire & Dam	NZMW+X	acc ≥ 70
NZMW with Meat	DP	RSGW M	Sire & Dam	NZMW+M	acc ≥ 70
NZMW with WormFEC	DP	RSGW WormFEC	Sire & Dam	NZMW+F	acc ≥ 70
NZTW	TS	SGM	Sire & Dam	NZTS	acc ≥ 70
Trait leader	Production system	Connected for	Pedigree	Sub-index accuracy %	
Adult Size	DP	Adult Size (A)	Sire & Dam	DPA	acc ≥ 70
Dag Score	DP	Dags (D)	Sire & Dam	DPD	acc ≥ 70
F Eczema	DP	F Eczema (X)	Sire & Dam	DPX	acc ≥ 70
Growth DPG+A	DP	Growth (G+A)	Sire & Dam	DPG&A	acc ≥ 70
Growth TS	TS	Growth (G)	Sire & Dam	TSG	acc ≥ 70
Meat DP	DP	Meat (M)	Sire & Dam	DPM	acc ≥ 50
Meat TS	TS	Meat (M)	Sire & Dam	TSM	acc ≥ 50
Reproduction DP	DP	Reproduction (R)	Sire & Dam	DPR	acc ≥ 60
Survival DP	DP	Survival (S)	Sire & Dam	DPS	acc ≥ 50
Survival TS	TS	Survival (S)	Sire & Dam	TSS	acc ≥ 50
Wool	DP	Wool (W)	Sire & Dam	DPW	acc ≥ 70
WormFEC	DP	WormFEC (F)	Sire & Dam	DPF	acc ≥ 70

Production System: DP = Dual Purpose, TS = Terminal Sire