

Genetic Benchmarking for Commercial Merino Breeders

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Wool



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Genetic Benchmarking

What is it?

- Establish the relative performance of
 - flocks & bloodlines,
 - rams, ewes & sires

Why is of value?

- Establishes change is required
- Provides a means to make change
- The start of genetic improvement
- Marketing industry comparison

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Introduction

Two 'Best Practice' benchmarks

- Bloodline Performance
 - based on combined wether trials

 - benchmark
 bloodlines, plus
 - flocks
- Sire Performance
 - based on Fine- & Medium-Wool CTSE
 - benchmarksires, plus
 - flock rams & ewes



Tools

- Breeding Objectives
 - the future, long-term, well-defined, measurable
- Performance records e.g. objective measurement
 - allows performance to be clearly defined
- Wether trials
 - performance of several flocks
- Bloodline Performance
 - performance of many widely used bloodlines

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Tools

On-Farm Trials

- establish performance in the farm environment
- flocks, bloodlines, rams and sires
- only limited number compared

Comparative Analysis Groups

- routinely compare their production and \$ value
- environment difference between flocks

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Tools

- Central Test Sire Evaluation (CTSE)
 - relative performance of elite stud sires
- Across-stud evaluation
 - benchmark to industry CTSE
 - small number of studs for several years
 - stud breeders: stud sires & ewes
 - commercial breeders: flock rams
 - low efficiency limited comparisons
 - variable accuracy limited links



CRC

for

Premium

Quality

Wool

Tools



MERINO BENCHMARK

- group developed in '96 8 members
- development phase now open 18
- policy on output & QA procedures
- genetic groups analysis plus BLUP = accurate analysis = across-stud relative value of ewes, rams and sires

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