

2022 FIELD DAY

MerinoLink Sire Evaluation Results Update – 2021 Drop

What is Sire Evaluation?

Welcome to the MerinoLink Central Tablelands Sire Evaluation Trial. This sire evaluation program compares the breeding performance of a sire by evaluating his progeny and their expressed traits relative to the progeny of other sires. A consistent ewe base is joined to sires via an AI program, and the resulting progeny are evaluated to assess a sire's breeding performance for a large number of traits which are important to breeders and commercial producers. The results assist in the selection of sires suitable for a large range of breeding objectives.

This site is one of 11 active Merino sire evaluation sites located across Australia. For more information visit merinosuperiorsires.com.au. A full report for the 2021 Drop will be published following shearing and again after the adult shearing.

Site Breeding Objective

To breed sheep that produce a fine, bright, white, quality fleece and of sound conformation (including feet) suitable for the Tablelands environment; maintaining a micron of 17-18, increasing staple length for a short shearing interim. A selection pressure for low breech wrinkle, plainer bodied types (non-mulesed) is applied, with a focus on increased size/fertility to enable a younger maiden joining and wether sales.

2021 Sire Entrants List

Blink Bonnie, 180085	Glenwood, 170026	Pooginook Poll, 190311
Bogo, 170182	Greenland, 170615	Redlands KI, 180102
Boudjah, 180074	Miramoonna, 140012 (Link)	Richmond, 170013
Conrayn, MVB123 (Link)	Mumblebone, 191128	Rocklyn, 190271
Egelabra, 174143	Nerstane, 190315	Roseville Park Poll, 190072
	Poll Boonoke, 160612	

2021 Drop Results

This booklet gives the results for the progeny of the above listed 2021 sire entrants. Assessments of progeny are undertaken at particular age stages for a variety of traits. Explanation of the result types reported, the age stages and traits as reported are listed in the table on page 2. In this trial the progeny were classed and shorn at the Yearling stage and will be again assessed at the Adult stage.

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Term	Definition		
Raw data:	Progeny results which are unadjusted for birth type, rear type, age of dam or management group. No account is made for trait heritability and genetic correlations between traits.		
Adjusted Sire Means:	Sire means are the average performance of all the progeny of a sire adjusted for an individual's birth type, rear type, age of dam and management group. Adjustments improve the accuracy of the result and the size of the adjustment is based on the actual influence of these factors on the drop. No account is made for trait heritability and genetic correlations between traits. The overall progeny group mean is listed at the bottom of the table.		
Within-Site and Within-Drop Flock Breeding Values (FBVs):	FBVs presented are calculated from data recorded within-site and within-drop and express the expected genetic performance of a sire relative to another sire in the evaluation (when mated to the same standard of ewes). FBVs improve the accuracy of sire results because they account the association between traits, the heritability of the trait, and non-genetic affects such as birth and rear type, sex (see adjustments listed earlier), and the number of progeny a sire has in the analysis. Adult FBVs are calculated using all measured assessments up to the current stage. As further assessments are completed, breeding values at earlier stages are also subject to change.		
Age at assessment:	M = Marking W = Weaning	- 14 to 42 days - 42 to 120 days	P = Post Weaning Y = Yearling - 210 to 300 days - 300 to 400 days
Breeders flock, Sire number:	Identity of the breeder's flock and the sire's number or name.		
Classers Visual Grade:	A classer grades all progeny as either <u>Tops, Flocks or Culls</u> based on their visual assessment of all traits relative to the Site's Breeding Objective (see page 1) and is done in conjunction with the assessment of a range of visual traits. This classing reflects the approach that may be undertaken in a commercial flock.		
Indexes:	Indexes will be reported later, after shearing results are available. A breeding index combines multiple flock breeding values into a single value that reflects a certain emphasis on these traits (see merinosuperiorsires.com.au/resources for more Indexes information).		
Traits: Abbreviation, trait and the (units reported)	FD: Average fibre diameter (µm) FDCV: Fibre diameter coefficient of variation(%) WT: Body weight (kg) <i>Further traits will be reported in future AMSEA Site Reports available via merinosuperiorsires.com.au.</i>		
Visual Traits as reported: Based on the Visual Sheep Scores.	BRWR: Breech Wrinkle BCOV: Breech Cover LEGS: Feet and Legs FACE: Face Cover	COL: Wool Colour FLROT: Fleece Rot DUST: Dust penetration SSTRC: Staple Structure CHAR: Wool Character WEATH: Weather	<i>Further traits will be reported in future AMSEA Site Reports available via merinosuperiorsires.com.au.</i>
Trait Leaders:	The highest performing 3 (or more if equal) sires for each trait (trait leaders) are highlighted by shading .		

Wool and Weight

Breeders flock, Sire number	Progeny No @ Weaning	Wool		Weight	
		YFD (µm)	YFDCV (%)	WWT (kg)	PWT (kg)
Blink Bonnie, 180085	54	16.1	18.4	19.9	30.4
Bogo, 170182	44	16.1	17.2	20.5	33.2
Boudjah, 180074	47	15.4	17.8	21.8	34.6
Conrayn, MVB123 (Link)	50	16.2	17.1	20.6	30.6
Egelabra, 174143	51	16.3	19.2	19.6	32.2
Glenwood, 170026	52	16.8	15.5	21.4	34.2
Greenland, 170615	70	16.1	17.3	21.0	34.6
Miramooona, 140012 (Link)	52	16.7	16.9	21.3	34.8
Mumblebone, 191128	36	16.2	18.2	21.7	35.0
Nerstane, 190315	55	15.9	18.3	21.0	35.2
Poll Boonoke, 160612	51	16.9	17.2	20.8	34.2
Pooginook Poll, 190311	60	16.5	17.1	21.4	35.9
Redlands KI, 180102	49	15.3	17.3	20.3	33.4
Richmond, 170013	53	16.7	16.5	20.9	35.2
Rocklyn, 190271	48	16.1	16.9	21.2	33.7
Roseville Park Poll, 190072	54	16.2	17.3	22.5	34.8
Mean	52	16.2	17.4	21.0	33.9

Classer's Grade - Deviations from the Average (%)

Classer: Andy McLeod

Breeders flock, Sire number	Progeny No @ Classing	Yearling	
		TOPS (%)	CULLS (%)
Blink Bonnie, 180085	54	-13	21
Bogo, 170182	44	-4	14
Boudjah, 180074	46	4	-2
Conrayn, MVB123 (Link)	48	-22	17
Egelabra, 174143	51	-15	-3
Glenwood, 170026	50	9	-12
Greenland, 170615	69	-7	2
Miramooona, 140012 (Link)	52	3	3
Mumblebone, 191128	36	11	-6
Nerstane, 190315	53	-8	0
Poll Boonoke, 160612	49	2	-14
Pooginook Poll, 190311	58	17	-18
Redlands KI, 180102	46	-2	0
Richmond, 170013	50	15	-10
Rocklyn, 190271	43	-10	15
Roseville Park Poll, 190072	54	19	-7
Mean	50	26	26

Visuals

Breeder's flock, Sire number	Progeny No @ Weaning	Visual Traits (Scores 1-5)									
		Breech - M		Conformation - Y		Wool Quality - Y					
		BRWR	BCOV	LEGS	FACE	COL	FLROT	DUST	SSTRC	CHAR	WEATH
Blink Bonnie, 180085	54	2.9	4.9	1.3	2.3	1.4	1.1	1.2	2.8	1.6	1.5
Bogo, 170182	44	3.5	4.9	1.4	2.3	1.3	1.0	1.2	2.9	1.8	1.6
Boudjah, 180074	47	3.2	4.9	1.4	2.3	1.6	1.0	1.2	2.9	1.9	1.6
Conrayn, MVB123 (Link)	50	3.1	5.0	1.8	1.9	1.5	1.1	1.3	3.1	2.3	1.7
Egelabra, 174143	51	2.8	5.0	1.4	1.7	1.5	1.1	1.2	3.1	2.0	1.8
Glenwood, 170026	52	2.1	4.6	1.3	1.2	1.4	1.0	1.1	2.7	1.9	1.8
Greenland, 170615	70	3.6	4.8	1.5	2.0	1.7	1.0	1.3	2.8	1.9	1.7
Miramoonna, 140012 (Link)	52	2.8	4.8	1.3	2.0	1.4	1.0	1.4	3.3	2.6	2.0
Mumblebone, 191128	36	3.8	4.8	1.5	1.3	1.3	1.0	1.2	2.9	2.4	1.9
Nerstane, 190315	55	2.7	4.9	1.3	1.5	2.1	1.0	1.4	3.0	2.1	1.9
Poll Boonoke, 160612	51	2.2	4.9	1.2	1.3	1.8	1.1	1.3	3.0	1.9	1.7
Pooginook Poll, 190311	60	2.6	4.6	1.1	1.2	1.8	1.1	1.4	2.8	2.0	1.9
Redlands KI, 180102	49	3.0	4.8	1.6	1.7	1.7	1.0	1.3	2.7	1.7	1.8
Richmond, 170013	53	1.9	4.7	1.1	1.3	1.5	1.1	1.2	3.2	2.2	1.7
Rocklyn, 190271	48	2.5	4.9	2.3	2.6	1.8	1.0	1.3	3.0	2.1	2.0
Roseville Park Poll, 190072	54	3.3	4.9	1.5	1.9	1.3	1.1	1.3	3.0	2.1	1.7
Mean	52	2.9	4.8	1.4	1.8	1.6	1.0	1.3	2.9	2.0	1.8

Adjusted Sire Means

Flock Breeding Values

- Within site & within flock -

Breeders flock, Sire number	Progeny No @ Weaning	Wool		Weights	
		YFD (mm)	YFDCV (mm)	WWT (kg)	PWT (kg)
Blink Bonnie, 180085	54	-0.3	1.8	-2.8	-5.9
Bogo, 170182	44	-0.2	-0.4	-1.4	-1.1
Boudjah, 180074	47	-1.5	0.7	1.5	1.2
Conrayn, MVB123 (Link)	50	-0.1	-0.4	-1.0	-4.9
Egelabra, 174143	51	0.1	3.0	-2.1	-2.8
Glenwood, 170026	52	1.2	-3.1	1.0	0.7
Greenland, 170615	70	-0.2	-0.2	-0.4	1.0
Miramoonna, 140012 (Link)	52	1.0	-0.9	1.1	1.7
Mumblebone, 191128	36	-0.1	1.4	1.7	1.7
Nerstane, 190315	55	-0.5	1.5	0.1	2.2
Poll Boonoke, 160612	51	1.3	-0.3	-0.5	0.4
Pooginook Poll, 190311	60	0.5	-0.5	1.2	3.4
Redlands KI, 180102	49	-1.7	-0.2	-1.4	-1.4
Richmond, 170013	53	0.9	-1.5	0.5	2.0
Rocklyn, 190271	48	-0.3	-0.8	0.1	-0.1
Roseville Park Poll, 190072	54	0.0	-0.1	2.4	1.8
Mean	52	-	-	-	-

Flock Breeding Values

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