



2023 FIELD DAY

MerinoLink Merino Sire Evaluation Results Booklet

2021 and 2022 Drops

MerinoLink 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.

Results

This booklet gives the results for the 2021 and 2022 sires entered into the trial. Assessments are undertaken at particular age stages for a variety of traits. Explanations of these stages and traits are listed below.

Hogget assessments of the 2021 drop were completed at 19 months of age and 8 months of wool growth.

Age at Assessment:	
M = Marking	- 14 to 40 days
W = Weaning	- 40 to 150 days
P = Post Weaning	- 150 to 300 days
Y = Yearling	- 300 to 450 days
H = Hogget	- 450 to 660 days
A = Adult	- 660 days and older
Wool & Carcase Traits: Abbreviation, trait and the (units reported)	
GFW: Greasy fleece weight (kg/%)	WT: Body weight (kg)
CFW: Clean fleece weight (kg/%)	EMD: Eye muscle depth at the 'C' site (mm)
FD: Average fibre diameter (µm)	FAT: Fat depth at the 'C' site (mm)
FDCV: Fibre diameter coefficient of variation (%)	WEC: Worm egg count (%)
SL: Staple length at the mid-side (mm)	
SS: Staple strength (NKtex) at the mid-side (NKtex)	
Visual Traits: Based on the Visual Sheep Scores Publication	
BRWR: Breech Wrinkle	CHAR: Wool Character
BCOV: Breech Cover	LEGS: Feet and Legs
FLROT: Fleece Rot	FACE: Face Cover
COL: Wool Colour	URINE: Urine Stain
Trait Leaders:	
The highest performing 3 (or more if equal) sires for each trait (trait leaders) are highlighted by shading .	

2021 Drop Results

Wool - Adjusted Sire Means

Adjusted 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.

Breeders flock, Sire number	Progeny No*	YGFW (kg)	YCFW (kg)	YFD (µm)	HFD (µm)	YFDCV (%)	HFDCV (%)	YSL (mm)	YSS (Nktex)
Blink Bonnie, 180085	54	3.1	2.3	16.1	16.9	18.4	18.3	78.0	32.7
Bogo, 170182	44	3.4	2.4	16.1	16.8	17.2	18.0	80.1	30.2
Boudjah, 180074	47	3.4	2.5	15.5	16.8	17.7	18.1	78.8	22.2
Conrayn, MVB123 (Link Sire)	50	3.1	2.3	16.2	17.3	17.2	17.3	76.2	30.9
Egelabra, 174143	51	3.4	2.5	16.3	17.5	19.2	18.7	83.8	22.9
Glenwood, 170026	52	3.2	2.5	16.8	17.8	15.6	15.9	92.2	40.3
Greenland, 170615	70	3.6	2.6	16.1	17.2	17.3	18.0	78.5	25.2
Miramoonna, 140012 (Link Sire)	52	3.6	2.7	16.8	18.1	16.8	17.4	93.2	37.6
Mumblebone, 191128	36	3.5	2.6	16.2	17.7	18.2	17.8	90.9	22.2
Nerstane, 190315	55	3.7	2.7	15.9	16.9	18.4	18.9	79.7	20.1
Poll Boonoke, 160612	51	3.7	2.7	17.0	17.9	17.2	18.1	87.3	30.6
Pooginook Poll, 190311	60	3.5	2.7	16.5	17.7	17.1	18.0	90.9	30.7
Redlands KI, 180102	49	3.6	2.6	15.3	16.3	17.3	16.9	87.7	26.5
Richmond, 170013	53	3.5	2.7	16.7	17.8	16.6	16.1	93.5	36.2
Rocklyn, 190271	48	3.4	2.5	16.1	16.8	16.9	17.4	86.7	29.1
Roseville Park Poll, 190072	54	3.7	2.7	16.2	17.0	17.3	17.5	85.6	33.9
Average	52	3.5	2.6	16.2	17.3	17.4	17.7	85.0	29.5

*Progeny No is at weaning

Further assessment results after shearing for the 2021 drop will be available in Site Report released via merinosuperiorsires.com.au

2021 Drop Results

Weight and Carcase - Adjusted Sire Means

Adjusted 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.

Breeders flock, Sire number	Progeny No*	WWT (kg)	PWT (kg)	HWT (kg)	HEMD (mm)	HFAT (mm)
Blink Bonnie, 180085	54	19.9	30.4	44.5	18.2	2.1
Bogo, 170182	44	20.5	33.2	47.2	19.9	2.2
Boudjah, 180074	47	21.8	34.6	50.4	20.6	2.5
Conrayn, MVB123 (Link Sire)	50	20.6	30.6	45.0	18.6	2.3
Egelabra, 174143	51	19.6	32.2	45.1	20.8	2.9
Glenwood, 170026	52	21.4	34.2	49.2	23.1	3.3
Greenland, 170615	70	21.0	34.6	49.5	20.4	2.7
Miramoonna, 140012 (Link Sire)	52	21.3	34.8	49.5	21.6	3.1
Mumblebone, 191128	36	21.7	35.0	50.5	22.3	3.3
Nerstane, 190315	55	21.0	35.2	49.7	21.2	2.5
Poll Boonoke, 160612	51	20.8	34.2	49.0	21.5	2.9
Pooginook Poll, 190311	60	21.4	35.9	52.4	23.3	3.1
Redlands KI, 180102	49	20.3	33.4	46.8	20.6	2.8
Richmond, 170013	53	20.9	35.2	50.1	22.3	3.4
Rocklyn, 190271	48	21.2	33.7	49.8	21.6	2.8
Roseville Park Poll, 190072	54	22.5	34.8	49.9	19.4	2.3
Average	52	21.0	33.9	48.7	20.9	2.7

*Progeny No is at weaning

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2021 Drop Results

Wool - Flock Breeding Values (FBVs)

FBVs 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 for the association between traits, the heritability of the trait, and non-genetic effects such as birth type, rear type and sex, and the number of progeny a sire has in the analysis.

Breeders flock, Sire number	Progeny No*	YGFW (%)	YCFW (%)	YFD (µm)	HFD (µm)	YFDCV (%)	HFDCV (%)	YSL (mm)	YSS (Nktex)
Blink Bonnie, 180085	54	-16	-15	-0.3	-0.6	1.5	1.3	-12.5	4.8
Bogo, 170182	44	-4	-10	-0.3	-0.9	-0.3	0.4	-8.4	1.0
Boudjah, 180074	47	-3	-1	-1.4	-1.0	0.8	0.3	-11.1	-10.6
Conrayn, MVB123 (Link Sire)	50	-19	-19	-0.1	0.1	-0.4	-0.9	-15.6	3.2
Egelabra, 174143	51	-2	1	0.1	0.4	2.8	1.9	-2.0	-10.3
Glenwood, 170026	52	-12	-9	1.1	0.9	-3.3	-2.8	11.7	17.1
Greenland, 170615	70	5	5	-0.2	-0.2	0.1	0.1	-11.9	-7.4
Miramooona, 140012 (Link Sire)	52	9	10	1.1	1.5	-1.0	-0.5	13.7	13.2
Mumblebone, 191128	36	3	5	-0.1	0.8	1.2	0.4	9.7	-10.6
Nerstane, 190315	55	9	6	-0.5	-0.6	1.9	2.1	-9.0	-15.1
Poll Boonoke, 160612	51	11	12	1.4	1.1	-0.1	0.4	3.7	1.8
Pooginook Poll, 190311	60	3	6	0.5	0.8	-0.4	0.4	9.8	1.6
Redlands KI, 180102	49	6	0	-1.8	-1.9	-0.3	-0.9	4.2	-5.1
Richmond, 170013	53	6	6	0.8	0.9	-1.7	-1.9	14.4	10.6
Rocklyn, 190271	48	-5	-7	-0.4	-0.9	-0.7	-0.4	2.7	-0.7
Roseville Park Poll, 190072	54	10	9	-0.1	-0.6	-0.1	0.0	0.7	6.4

*Progeny No is at weaning

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2021 Drop Results

Weight, Carcase and WEC - Flock Breeding Values (FBVs)

FBVs 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 for the association between traits, the heritability of the trait, and non-genetic effects such as birth type, rear type and sex, and the number of progeny a sire has in the analysis.

Indexes

Breeding Indexes combine multiple flock breeding values into a single value that reflects a certain emphasis on these traits. For more information visit merinosuperiorsires.com.au/resources.

Breeders flock, Sire number	Progeny No*	WWT (kg)	PWT (kg)	HWT (kg)	HEMD (mm)	HFAT (mm)	YWEC
Blink Bonnie, 180085	54	-2.6	-5.6	-7.0	-3.8	-3.3	-71
Bogo, 170182	44	-1.4	-0.8	-2.1	-1.3	-2.7	-7
Boudjah, 180074	47	1.6	1.2	2.8	-1.4	-1.9	169
Conrayn, MVB123 (Link Sire)	50	-0.9	-4.9	-6.0	-3.2	-1.7	33
Egelabra, 174143	51	-2.1	-3.2	-6.1	1.0	1.3	32
Glenwood, 170026	52	0.8	0.8	0.8	3.9	2.9	128
Greenland, 170615	70	-0.4	0.8	1.4	-1.3	-0.1	169
Miramoonna, 140012 (Link Sire)	52	1.0	1.6	1.5	0.9	1.6	-92
Mumblebone, 191128	36	1.7	1.7	2.7	1.7	2.4	-44
Nerstane, 190315	55	0.0	2.2	2.0	0.1	-1.5	-2
Poll Boonoke, 160612	51	-0.5	0.2	0.7	0.9	0.8	53
Pooginook Poll, 190311	60	1.1	3.5	6.7	3.3	1.5	99
Redlands KI, 180102	49	-1.5	-1.6	-3.6	0.0	0.4	-11
Richmond, 170013	53	0.4	1.9	1.6	2.0	3.2	-69
Rocklyn, 190271	48	0.1	0.2	2.2	0.8	0.1	-58
Roseville Park Poll, 190072	54	2.5	2.0	2.2	-3.5	-3.0	2

Dual Purpose Plus	Merino Production Plus	Fibre Production Plus	Wool Production Plus
47	77	101	70
89	90	101	86
84	97	82	100
34	62	74	57
71	71	70	83
132	104	98	91
86	101	86	108
134	125	127	121
111	94	86	105
112	97	91	109
102	106	96	114
148	118	99	120
94	104	110	99
142	124	125	118
112	101	108	98
103	129	129	123

*Progeny No is at weaning

Further assessment results after shearing for the 2021 drop will be available in Site Report released via merinosuperiorsires.com.au

2021 Drop Results

Visual Trait Assessment

An independent classer grades all progeny as either Tops, Flocks or Culls based on their visual assessment of all traits relative to the Site's Breeding Objective (see page 1). This classing reflects the approach that may be undertaken in a commercial flock and is presented as a deviation from the average score. Progeny are also scored, between 1 and 5, on a range of visual traits which are also reported as deviations from the average score (see page 1). Scores are reported as adjusted sire means.

Breeder's flock, Sire number	Progeny No*	Yearling		Hogget		Marking		Hogget					
		TOPS (%)	CULLS (%)	TOPS (%)	CULLS (%)	BRWR	BCOV	FLROT	COL	CHAR	LEGS	FACE	URINE
Blink Bonnie, 180085	54	-13	21	-15	8	2.9	4.9	2.1	1.9	2.2	2.1	3.2	3.0
Bogo, 170182	44	-4	14	3	2	3.5	4.9	1.3	1.6	2.2	2.2	3.2	2.6
Boudjah, 180074	47	4	-2	17	-7	3.2	4.9	2.1	1.6	2.3	2.1	3.2	2.8
Conrayn, MVB123 (Link Sire)	50	-22	17	-16	18	3.1	5.0	1.7	1.7	2.6	2.4	3.5	2.7
Egelabra, 174143	51	-15	-2	-8	-3	2.8	5.0	1.5	1.7	2.7	2.2	3.1	2.8
Glenwood, 170026	52	9	-12	11	-18	2.1	4.6	1.4	2.2	2.2	1.9	2.7	2.3
Greenland, 170615	70	-7	2	-17	11	3.6	4.8	2.6	2.1	2.5	2.2	3.4	2.3
Miramoonna, 140012 (Link Sire)	52	3	3	2	-6	2.8	4.8	1.8	1.8	2.5	2.1	3.2	3.2
Mumblebone, 191128	36	11	-6	3	-17	3.8	4.8	1.5	2.0	2.5	2.0	3.0	2.3
Nerstane, 190315	55	-8	0	-10	0	2.7	4.9	2.2	2.2	2.3	2.1	2.9	2.6
Poll Boonoke, 160612	51	2	-14	-5	7	2.2	4.9	2.3	2.3	2.6	2.1	3.2	2.5
Pooginook Poll, 190311	60	17	-18	-6	17	2.6	4.6	3.1	3.0	2.4	2.1	3.1	2.2
Redlands KI, 180102	49	-2	0	2	2	3.0	4.8	1.5	1.8	2.0	2.4	3.1	2.5
Richmond, 170013	53	15	-10	23	-16	1.9	4.7	2.1	2.0	2.1	2.1	2.8	2.2
Rocklyn, 190271	48	-10	15	-1	7	2.5	4.9	2.3	2.4	2.4	2.2	3.3	2.6
Roseville Park Poll, 190072	54	19	-7	17	-4	3.3	4.9	1.9	1.5	2.1	2.2	3.1	2.7
Average	52	26	26	29	26	2.9	4.8	2.0	2.0	2.3	2.2	3.1	2.6

*Progeny No is at weaning

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2022 Drop Preliminary Results

Details and definitions for result types and traits can be found in the corresponding sections of the 2021 Drop.

Breeder's flock, Sire number	Progeny No*	Weight		Weight		Breech Traits	
		WWT (kg)	PWT (kg)	WWT (kg)	PWT (kg)	BRWR	BCOV
Blink Bonnie, 180085	48	24.0	29.2	-1.8	-5.2	2.8	3.3
Bogo, 190391	48	24.6	31.6	-0.7	-0.6	2.8	3.5
Boxleigh Park, 181057	41	24.9	32.6	-0.1	1.4	1.7	2.8
Centre Plus Poll, 707350 (Link Sire)	38	24.8	33.0	0.4	3.1	2.4	3.0
GullenGamble Poll, 201764	47	26.4	32.8	2.4	2.8	2.2	3.5
Gundibri Poll, 180095	43	25.0	31.1	0.1	-0.5	2.2	3.9
Hazeldean, 002980	53	24.5	31.5	-1.0	-1.5	2.7	3.4
Karalta Poll, 180917	48	22.7	29.9	-4.2	-5.4	3.3	3.6
One Oak Poll, R15050 (Link Sire)	39	23.8	30.0	-2.2	-3.2	2.6	3.2
Pooginook Poll, 200204	45	24.9	32.3	0.2	1.1	2.0	3.3
Rocklyn, 190204	45	25.3	34.2	0.7	4.7	2.3	3.3
Roseville Park Poll, 200085	46	25.1	30.0	-0.3	-3.5	2.8	3.3
Stirling Dohne, 200036	45	27.6	34.9	4.5	6.9	2.3	2.9
Trefusis, 170332	34	26.9	31.3	2.1	-0.1	2.2	3.5
Average	44	25.0	31.8	-	-	3.3	2.5

*Progeny No is at weaning

Further assessment results after shearing for the 2022 drop will be available in Site Report released via merinosuperiorsires.com.au

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01 JUN 2023

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