

2022 FIELD DAY

Balmoral Breeders Merino Sire Evaluation Results Booklet

- AUSTRAL PARK -
2021 drop on display

- JIGSAW FARMS -
2020 drop on display
(2019 drop report available)

Balmoral Site Breeding Objective

The goal is to select sheep that are productive and well grown, with sound conformation and carrying heavy fine wool fleeces of good character, colour and nourishment suitable for the western Victorian environment. Fertility and reproduction are also a focus in selection.

Results

This booklet gives the results for the 2020 sires entered into the trial at Jigsaw Farms and the 2021 sires entered at Austral Park. Assessments are undertaken at particular age stages for a variety of traits.

Explanations of these stages and traits are listed below.

The Post Weaning assessments were undertaken at 6 months of age and wool growth. Adult assessments were completed at 18 months of age and 12 months of wool growth.

Age at Assessment:

M = Marking	- 14 to 42 days	Y = Yearling	- 300 to 400 days
W = Weaning	- 42 to 120 days	H = Hogget	- 400 to 540 days
E = Early Post Weaning	- 120 to 210 days	A = Adult	- 1.5 years and older
P = Post Weaning	- 210 to 300 days		

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 (mm) at the 'C' site
FD: Average fibre diameter (um)	FAT: Fat depth (mm) at the 'C' site
FDCV: Fibre diameter coefficient of variation (%)	WEC: Worm egg count (%)
SL: Staple length (mm) at the mid-side	
SS: Staple strength (NKtex) at the mid-side	

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	DAG: Dag
COL: Wool Colour	FACE: Face Cover

Trait Leaders:

The highest performing 3 (or more if equal) sires for each trait (trait leaders) are highlighted **by shading**.

2020 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.

Wool	Breeders flock, Sire number	Progeny No*	PGFW (kg)	PCFW (kg)	PFD (µm)	AFD (µm)	PFDCV (%)	AFDCV (%)	ASL (mm)
	Blyth, 180901	32	1.8	1.3	16.1	17.7	17.2	16.6	102.8
Curlew, 180144	39	1.9	1.4	16.5	18.1	18.0	15.8	92.6	
East Loddon, 180062	45	2.0	1.5	16.7	18.6	17.5	16.2	102.2	
Flairdale Poll, 180015	34	1.8	1.3	16.6	18.1	18.6	17.3	93.7	
Glen Donald, 180068 (Link)	35	1.9	1.3	16.1	18.4	19.4	17.7	87.0	
Glen Holme, 172565 (Dohne)	40	1.5	1.1	16.1	18.0	17.7	16.3	91.0	
Hannaton Poll, 150093	24	2.0	1.4	15.9	18.3	18.2	17.2	95.5	
Hazeldean, 13.4936 (Link)	31	2.1	1.5	16.0	17.6	18.0	17.0	90.2	
Jigsaw Farms, 160271	36	1.8	1.3	16.8	18.9	18.8	16.7	100.6	
Macquarie Dohne Stud, 180230	37	1.7	1.2	16.6	18.6	18.9	17.1	93.2	
Melrose, 7BN304	34	1.8	1.3	16.0	18.0	16.9	17.0	86.1	
Merinotech WA Poll, 177026	36	1.7	1.3	16.7	18.9	18.0	17.0	89.9	
Mumblebone, 160547	27	1.7	1.3	16.7	19.5	18.0	17.2	98.3	
Poll Boonoke, 160536	34	1.7	1.3	16.0	18.1	18.3	17.3	88.8	
Poll Boonoke, 160612	38	2.0	1.4	16.7	19.2	17.9	18.1	93.5	
Stirling Dohne, 140079	47	1.7	1.2	16.8	19.3	17.8	16.4	93.7	
The Mountain Dam Poll, WPD034	44	1.8	1.3	16.2	18.5	17.9	17.3	94.9	
Trefusis, 170436	32	1.9	1.3	15.8	17.2	16.7	16.6	87.1	
Turkey Lane, 170055	40	2.0	1.4	15.1	17.0	18.0	16.7	95.2	
Weedington Poll, 153061	35	1.9	1.4	15.9	17.9	17.7	17.3	94.1	
Willandra Poll, 180447 (Link)	35	2.0	1.4	16.4	18.8	18.3	17.9	90.2	
Yarrowonga, 170193 (Link)	41	1.9	1.3	16.0	18.0	17.3	16.2	93.6	
Average	36	1.8	1.3	16.3	18.3	17.9	16.9	93.4	

*Progeny No is at weaning

Further assessment results after shearing for the 2020 drop will be available in Site Report released via merinosuperiorsires.com.au

2020 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	WWT	PWT	YWT	YEMD	YFAT
	No*	(kg)	(kg)	(kg)	(mm)	(mm)
Blyth, 180901	32	21.3	34.1	36.9	24.2	2.9
Curlew, 180144	39	20.7	34.4	38.4	23.6	2.8
East Loddon, 180062	45	21.4	35.6	39.9	23.9	2.9
Flairdale Poll, 180015	34	23.7	36.0	39.6	24.1	2.8
Glen Donald, 180068 (Link)	35	21.8	32.9	36.9	22.4	2.6
Glen Holme, 172565 (Dohne)	40	21.6	35.7	38.6	23.7	2.7
Hannaton Poll, 150093	24	22.1	33.1	36.9	23.0	2.7
Hazeldean, 13.4936 (Link)	31	22.3	32.9	36.7	22.0	2.5
Jigsaw Farms, 160271	36	22.1	34.5	38.2	23.1	2.9
Macquarie Dohne Stud, 180230	37	21.9	37.0	40.3	25.0	3.0
Melrose, 7BN304	34	22.5	35.1	38.9	22.9	2.5
Merinotech WA Poll, 177026	36	21.5	34.9	39.1	23.3	2.8
Mumblebone, 160547	27	22.2	37.1	40.7	25.3	3.2
Poll Boonoke, 160536	34	21.6	33.9	37.3	22.9	2.7
Poll Boonoke, 160612	38	21.0	35.4	39.0	23.4	2.8
Stirling Dohne, 140079	47	21.6	37.2	41.1	24.9	3.0
The Mountain Dam Poll, WPD034	44	21.0	33.3	37.7	22.6	2.5
Trefusis, 170436	32	23.3	37.5	40.6	23.1	2.7
Turkey Lane, 170055	40	21.7	33.4	35.7	22.0	2.6
Weedington Poll, 153061	35	21.3	35.6	39.0	23.8	2.8
Willandra Poll, 180447 (Link)	35	22.3	34.6	39.1	22.5	2.6
Yarrowonga, 170193 (Link)	41	21.6	33.7	38.1	22.9	2.7
Average	36	21.8	34.9	38.6	23.4	2.8

*Progeny No is at weaning

Further assessment results after shearing for the 2020 drop will be available in Site Report released via merinosuperiorsires.com.au

2020 Drop Results

Wool - Flock Breeding Values (FBVs)

These 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.

	Progeny No*	PGFW (%)	PCFW (%)	PFD (μ m)	AFD (μ m)	PFDCV (%)	AFDCV (%)	ASL (mm)
Blyth, 180901	32	-4	-3	-0.4	-0.9	-1.1	-0.7	15.4
Curlew, 180144	39	4	1	0.2	-0.4	-0.2	-1.6	-1.2
East Loddon, 180062	45	14	20	0.7	0.6	-0.8	-1.2	15.9
Flairdale Poll, 180015	34	-1	1	0.5	-0.2	1.0	0.8	1.0
Glen Donald, 180068 (Link)	35	4	2	-0.3	0.0	2.1	1.7	-11.5
Glen Holme, 172565 (Dohne)	40	-33	-33	-0.3	-0.7	-0.7	-1.0	-3.7
Hannaton Poll, 150093	24	8	3	-0.6	0.0	0.4	0.2	3.4
Hazeldean, 13.4936 (Link)	31	24	23	-0.4	-1.2	0.2	0.3	-6.1
Jigsaw Farms, 160271	36	-2	0	0.9	1.0	1.1	-0.2	11.5
Macquarie Dohne Stud, 180230	37	-7	-8	0.8	0.7	1.2	0.4	0.1
Melrose, 7BN304	34	-2	-4	-0.6	-0.6	-1.5	-0.2	-11.9
Merinotech WA Poll, 177026	36	-11	-8	0.8	0.9	0.0	0.2	-6.3
Mumblebone, 160547	27	-4	2	1.1	2.0	0.1	0.2	8.2
Poll Boonoke, 160536	34	-10	-7	-0.5	-0.3	0.4	0.5	-7.0
Poll Boonoke, 160612	38	12	10	0.8	1.5	0.3	1.6	1.2
Stirling Dohne, 140079	47	-14	-13	1.1	1.9	-0.5	-0.8	1.4
The Mountain Dam Poll, WPD034	44	-5	-6	-0.1	0.4	0.1	0.4	2.6
Trefusis, 170436	32	0	-8	-0.9	-1.9	-1.8	-0.8	-10.9
Turkey Lane, 170055	40	11	11	-2.2	-2.4	0.2	-0.2	2.3
Weedington Poll, 153061	35	1	5	-0.8	-0.9	-0.2	0.4	0.6
Willandra Poll, 180447 (Link)	36	12	12	0.4	0.9	0.8	1.4	-5.3
Yarrowonga, 170193 (Link)	41	2	1	-0.6	-0.6	-1.0	-1.1	0.3

*Progeny No is at weaning

Further assessment results after shearing for the 2020 drop will be available in Site Report released via merinosuperiorsires.com.au

2020 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

A breeding index combines 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)	YWT (kg)	YEMD (mm)	YFAT (mm)	YWEC
Blyth, 180901	32	-1.3	-1.4	-2.8	2.2	1.0	9
Curlew, 180144	39	-2.0	-1.5	-0.5	0.5	0.4	-63
East Loddon, 180062	45	-0.3	1.1	3.1	0.3	0.3	-5
Flairdale Poll, 180015	34	2.8	1.8	1.5	0.7	-0.1	12
Glen Donald, 180068 (Link)	35	-0.3	-2.7	-3.1	-1.0	-0.5	5
Glen Holme, 172565 (Dohne)	40	-0.2	0.8	-1.3	0.7	0.0	18
Hannaton Poll, 150093	24	-0.3	-2.0	-2.7	0.1	0.1	23
Hazeldean, 13.4936 (Link)	31	0.7	-1.8	-3.0	-1.6	-1.0	41
Jigsaw Farms, 160271	36	0.4	-0.5	-0.6	-0.1	0.4	-17
Macquarie Dohne Stud, 180230	37	0.7	2.2	1.4	1.9	0.8	-39
Melrose, 7BN304	34	0.8	0.7	1.1	-1.1	-1.0	37
Merinotech WA Poll, 177026	36	-0.5	0.1	1.1	-0.3	0.1	38
Mumblebone, 160547	27	1.7	3.3	4.6	2.2	1.1	-44
Poll Boonoke, 160536	34	-0.8	-1.2	-1.8	-0.2	0.0	-10
Poll Boonoke, 160612	38	-1.3	0.2	1.2	-0.1	0.3	124
Stirling Dohne, 140079	47	0.0	2.5	3.0	1.6	0.7	-43
The Mountain Dam Poll, WPD034	44	-1.4	-2.1	-0.9	-1.1	-0.8	-19
Trefusis, 170436	32	2.8	4.4	4.1	-1.4	-0.6	-11
Turkey Lane, 170055	40	-0.4	-2.7	-5.6	-1.1	0.0	-41
Weedington Poll, 153061	35	-0.8	0.5	0.9	0.6	0.3	8
Willandra Poll, 180447 (Link)	36	0.8	-0.1	1.2	-1.9	-1.1	66
Yarrowonga, 170193 (Link)	41	-0.9	-1.6	-0.8	-0.8	-0.4	26

Dual Purpose Plus	Merino Production Plus	Fibre Production Plus	Wool Production Plus
115	96	103	94
101	101	108	96
126	125	118	128
108	100	96	103
78	93	93	96
84	67	79	59
99	103	102	104
92	126	122	123
89	87	87	93
110	85	86	89
96	106	105	100
91	87	84	90
129	97	90	107
91	91	96	89
104	103	86	114
112	85	84	89
83	89	92	90
101	114	117	102
91	117	129	108
110	106	106	104
92	112	99	117
98	109	110	104

*Progeny No is at weaning

Further assessment results after shearing for the 2020 drop will be available in Site Report released via merinosuperiorsires.com.au

2020 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.

Breeders flock, Sire number	Progeny No*	Adult		Marking		Adult					
		TOPS (%)	CULLS (%)	BRWR	BCOV	FLROT	COL	CHAR	LEGS	DAG	FACE
Blyth, 180901	32	3	-10	2.3	2.9	1.4	1.9	2.4	2.1	1.4	1.9
Curlw, 180144	39	-13	3	2.2	3.0	1.1	2.1	2.0	2.5	2.9	1.9
East Loddon, 180062	45	-14	8	1.9	2.9	1.4	2.2	2.5	2.7	2.5	1.9
Flairdale Poll, 180015	34	-8	5	1.3	2.7	1.9	2.5	2.6	2.1	1.7	1.8
Glen Donald, 180068 (Link)	35	-15	21	2.7	3.2	1.9	2.5	2.4	2.2	2.0	2.1
Glen Holme, 172565 (Dohne)	40	-7	6	1.6	2.4	1.5	2.4	2.7	2.4	2.4	1.7
Hannaton Poll, 150093	24	25	-16	2.2	3.3	1.1	1.8	2.0	2.4	2.6	1.9
Hazeldean, 13.4936 (Link)	31	5	4	2.4	2.8	1.7	1.9	2.3	2.4	2.6	2.4
Jigsaw Farms, 160271	36	-4	0	1.9	2.6	1.2	2.3	2.7	2.4	2.3	2.2
Macquarie Dohne Stud, 180230	37	-6	7	1.7	2.5	1.9	2.6	2.6	2.2	2.0	1.7
Melrose, 7BN304	34	-15	-4	3.1	3.2	1.6	1.6	2.4	2.4	3.0	2.1
Merinotech WA Poll, 177026	36	11	-5	2.1	2.5	1.5	2.0	2.2	2.1	3.2	1.9
Mumblebone, 160547	27	12	2	1.6	3.0	1.5	2.3	2.4	2.6	2.4	1.6
Poll Boonoke, 160536	34	-9	9	2.1	2.8	2.1	2.4	2.5	2.2	2.3	2.0
Poll Boonoke, 160612	38	0	4	2.0	3.2	1.8	2.2	2.3	2.7	2.8	2.3
Stirling Dohne, 140079	47	-4	-8	1.7	2.6	1.7	2.2	2.5	2.3	2.5	2.0
The Mountain Dam Poll, WPD034	44	12	-8	2.4	3.2	1.6	1.8	2.3	2.2	2.7	1.9
Trefusis, 170436	32	19	-10	2.8	2.8	1.3	1.6	1.9	2.4	2.7	2.1
Turkey Lane, 170055	40	2	8	2.6	3.2	1.4	1.9	2.4	2.6	2.2	2.2
Weedington Poll, 153061	35	24	-14	2.6	3.0	1.3	1.8	2.1	2.4	2.5	2.1
Willandra Poll, 180447 (Link)	36	-12	3	2.3	3.2	1.7	2.3	2.3	2.4	2.8	2.2
Yarrowonga, 170193 (Link)	41	-5	-5	2.8	3.6	1.5	2.1	2.3	2.6	2.7	2.2
Average	0	17	17	2.2	2.9	1.6	2.1	2.4	2.4	2.5	2.0

*Progeny No is at weaning

Further assessment results after shearing for the 2020 drop will be available in Site Report released via merinosuperiorsires.com.au

2021 Drop Preliminary Results

Details and definitions for result types and traits can be found in the corresponding sections of the 2020 Drop.

Breeders flock, Sire number	Progeny No*	Adjusted Sire Means				Visual Breech Traits		FBVs			
		Wool		Weights		Visual Breech Traits		Wool		Weights	
		PFD (µm)	PFDCV (%)	WWT (kg)	PWT (kg)	MBRWR	MBCOV	PFD (µm)	PFDCV (%)	WWT (kg)	PWT (kg)
Anderson Poll, 190669	45	17.2	18.1	20.8	29.1	2.7	3.3	0.1	-0.6	-0.5	-0.3
Austral Park, 190003	39	17.0	18.6	21.8	29.4	2.2	3.0	-0.4	0.2	1.7	1.2
Centre Plus Poll, 707350	52	17.4	17.6	20.4	28.9	1.8	2.3	0.4	-1.4	-1.6	-0.3
Deep Dene Poll, 170472	30	17.0	17.5	20.9	28.9	2.1	2.4	-0.3	-1.2	-0.5	-0.1
Forest Springs Poll, 190193 (Link)	41	17.6	17.9	21.0	29.4	1.5	2.2	0.8	-0.9	0.1	0.6
Gelton Poll, 190140	44	17.2	18.0	22.3	30.4	2.4	2.9	0.0	-0.7	3.0	3.1
Glen Holme, 194902 (Dohne)	39	17.2	18.3	22.2	30.0	1.9	2.7	0.1	-0.2	2.3	1.5
Glendemar, 190612	34	17.7	17.3	21.1	29.8	1.1	2.4	0.8	-1.7	0.4	1.7
Konsortium Merino, 180459	36	17.3	18.1	20.8	29.5	1.4	2.5	0.2	-0.5	-0.3	0.9
Kurra-Wirra, 191190	40	17.4	19.1	21.1	28.5	2.2	3.1	0.4	1.0	0.0	-0.7
Langdene, 140700 (Link)	40	16.9	19.8	21.0	27.9	2.4	3.2	-0.5	2.1	-0.5	-2.8
Macquarie Dohne Stud, 191457	39	18.2	17.5	21.7	32.3	1.8	2.5	1.6	-1.6	2.1	5.5
Mumblebone, 191128	34	17.4	19.0	22.6	30.1	2.4	2.9	0.5	0.9	3.2	2.2
Nerstane, 160404	35	16.7	19.0	20.4	27.5	2.3	3.0	-0.9	0.9	-1.7	-3.0
Roseville Park Poll, 180043	37	16.7	19.5	20.1	28.9	2.5	3.6	-0.9	1.6	-1.8	-0.9
Stud Park South, 082348	39	16.8	18.5	19.7	26.2	2.5	2.9	-0.7	0.2	-3.4	-6.0
Turkey Lane, 190180	45	16.3	18.7	19.7	27.1	2.3	2.8	-1.6	0.5	-3.4	-4.3
Willandra Poll, 180447 (Link)	29	17.6	19.0	20.8	28.3	2.1	2.8	0.6	0.8	-0.6	-1.2
Woodpark Poll, 160058 (Link)	26	16.8	18.9	21.4	30.9	2.6	3.4	-0.6	0.7	0.9	2.4
Woodyarrup, 120175 (Link)	41	17.4	18.4	21.1	29.4	2.2	3.2	0.3	0.0	0.3	0.5
Mean	38	17.2	18.4	21.0	29.1	2.1	2.8	-	-	-	-

*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

Thank you to our Sponsors

We gratefully acknowledge the generous support of our sponsors and appreciate their participation in our trials.



Elders Hamilton (03) 5572 2266



FOR ANIMALS. FOR HEALTH. FOR YOU.
Ashley Reed 0408 279 823



Project & Executive Management
Ben Swain (02) 6743 2306



Scott Davis 0419 783 987



Jerilderie: (03) 5886 1772 Hamilton (03) 5570 8280



Vet & Ag Consultants | Parasite & Feed Analysis
Ph: (03) 5572 1419



465 Hume Highway, Craigieburn, Victoria, 3064
Ph: (03) 8339 9000 Fax: (03) 8339 9051
Email: enquiries@leaderproducts.com.au



Riverina Wool Testers
Wedge Village

Ph.: (02) 6925 1407
rwt@wooltesters.com.au



Richmond Hill
Agribusiness Pty Ltd
Steve and Debbie Milne
Steve 0428 786 327
Debbie 0407 724 066
sjdmilne@bigpond.com

Balmoral Breeders Site Committee

www.balmoralbreeders.com.au

Mark Bunge	Ashley Read	Marina VanAken
Anthony Close	Mark Williams	Ian Murray
Michael Craig	Rich Currie	Sean Harvey
Tom Silcock	Simon Close	Rosey Leeming
Nick Falkenberg	Michael Close	Russell Macgugan
Hugh Jarvis	Mark Wootton	Scott Davis
Andrew Howells	Lachie McRae	Tom Roughead
David Whyte	Wayne Whale	Elise Kealy
Jim Farran	Colin Frawley	Jonno Hicks
Tony Kealy	Rick Luhrs	Tom Sweeny
Emma O'Bryan	Amy Carpenter	Hamish Robertson