



2021 Greenland Merino's On Property Ram Sale ASBV - Run date - 15 / 9 / 2021



ASBV'S 2020 Drop Percentile bands

YGFW	YWT	YCFW	YFD	YDCV	FP+	MP+
Top 1% - 5%						
Top 10% - 20%						
Top 30% - 40%						

LOT NO	Number	SIRE	DAM	TW/S	YWT	YCFW	YFD	YDCV	NLW	MP+	FP+
LOT 01	200736	181391	180627 PR3	S	2.82	14.17	-1.30	0.15	7%	153.78	144.10
LOT 02	200694	BINDA	181381 160741	S	2.35	12.54	-0.85	0.09	2%	137.74	130.99
LOT 03	200563	BEN	131180 GSSR	TW	5.78	15.23	-1.04	-0.56	0%	141.77	132.78
LOT 04	201081	ASG	180549 DEM	S	3.93	18.54	-2.07	-0.11	-4%	152.70	146.66
LOT 05	200450	GW7	160525 MXP	S	3.79	15.56	-1.03	-1.29	5%	148.12	136.34
LOT 06	200555	BEN	141040 SU	TW	6.08	23.44	-0.93	-1.40	2%	160.50	144.54
LOT 07	200836	170614	160881 MXP	S	5.95	19.02	-1.44	-1.4	6%	163.05	148.18
LOT 08	201098	170614	170912 TPS	S	4.51	13.72	-2.34	-0.25	1%	156.93	151.16
LOT 09P	20P395	GP 25	15P169 GP4	S	3.50	18.48	-0.28	-1.97	-4%	134.82	128.03
LOT 10	201148	GW6	160740 WEST	TW	2.84	17.46	-0.62	-0.34	3%	142.01	130.38
LOT 11P	20P374	GP25	15P020 PB71	S	7.03	20.85	-1.31	-1.69	6%	164.47	147.05
LOT 12	200518	WXC	161202 MXP	S	3.02	11.06	-0.94	-0.84	-1%	134.31	130.59
LOT 13P	20P365	GP25	18P014 GP7	S	3.12	15.56	-1.36	-0.34	-3%	141.66	137.60
LOT 14	201068	ASG	171032 GL3	S	4.74	13.02	-1.71	-0.37	3%	154.51	146.58
LOT 15	200708	BINDA	181372 WS	S	6.47	18.67	-0.61	1.16	2%	151.51	138.42
LOT 16P	20P381	GP 25	15P141 PB15	S	3.55	19.11	-0.95	-0.79	1%	148.50	137.02
LOT 17P	20P273	GP7	171090 WS	S	4.77	11.44	-1.18	-0.40	3.00	145.21	137.95
LOT 18P	20P282	GP7	150369 CAT 5	TW	2.28	7.08	-1.55	-0.24	0.00	134.29	134.33
LOT 19	201167	GW1	150746 R5	TW	2.56	13.72	-1.60	-1.19	1.00	144.49	138.81
LOT 20	201151	GW6	170848 GL3	S	3.26	16.23	-1.34	-0.80	3.00	150.73	140.71
LOT 21	200999	170615	150617 SM	S	6.96	12.69	-0.95	0.05	7.00	156.96	144.65
LOT 22P	20P186	GP33	17P280 GP9	TW	5.86	16.17	-0.33	-0.79	6.00	151.14	135.76
LOT 23P	20P292	GP7	16P077 PEM	S	4.37	9.74	-1.80	0.25	-5.00	133.04	131.94
LOT 24	200745	181391	180600 GW1	S	3.27	12.51	-1.16	-1.79	6.00	148.38	138.09
LOT 25	200659	181391	180785 PR3	TW	3.26	18.45	-0.87	0.64	11.00	165.55	151.62
LOT 26	200238	180590	180275 GS4	S	3.72	11.56	-2.00	-1.08	-6.00	139.64	139.76
LOT 27P	20P288	GP7	16P378 KPP	S	2.35	3.22	-1.09	-1.01	2.00	128.44	127.72
LOT 28	201171	GW1	140269 EXC4	S	3.69	22.42	-0.64	-0.16	-3.00	143.32	132.13
LOT 29P	20P270	GP7	150886 SG2	S	2.65	-1.68	-1.79	0.66	1.00	124.18	127.25
LOT 30P	20P028	GP49	18P126 GP8	TW	4.12	20.27	-1.09	-0.59	-2.00	149.27	140.26
LOT 31P	20P162	GP25	14P325 PB71	1	1.91	14.38	-0.89	-0.46	0.00	139.13	133.63
LOT 32	200709	BINDA	181007 RESO	1	4.95	13.59	-1.16	-0.59	-1.00	143.74	138.12
LOT 33	201170	GW1	140501 SU	1	6.08	12.54	-1.04	-0.90	2.00	145.52	135.30
LOT 34	201022	170615	130405 RP	1	2.50	18.96	-0.82	-0.34	-1.00	149.10	142.31
LOT 35P	20P314	GP7	170988 GL3	1	1.90	7.29	-1.30	-1.83	0.00	133.01	131.74
LOT 36P	20P116	GP25	13P147 GP2	TW	0.94	18.44	-0.29	0.76	1.00	141.20	132.84
LOT 37	200595	170615	180926 WEST1	1	6.32	20.59	-1.10	-0.23	-1.00	155.76	144.87
LOT 38	200598	170615	160687 TP	TW	3.89	20.31	-1.49	-1.10	-4.00	151.92	145.65
LOT 39	200774	170615	150759 COM	TW	3.58	16.21	-0.31	0.49	1.00	143.10	133.94
LOT 40P	20P360	GP 33	15P120 GP4	TW	2.20	2.88	-1.51	-0.89	-3.00	120.86	123.56
LOT 41P	20P125	GP25	16P281 GP6	TW	2.38	18.15	-0.43	0.38	0.00	141.49	131.59
LOT 42	200312	GW5	160362KT4	TW	1.56	11.09	-1.64	0.59	-2.00	139.19	139.27
LOT 43	200820	MV	140883 GW2	TW	3.29	15.49	-0.95	-0.50	2.00	147.68	139.32
LOT 44	200965	GW7	161258 SG3	S	5.29	18.66	-1.01	-0.14	3.00	155.83	143.34
LOT 45	201071	ASG	160630 TP	S	3.85	14.77	-1.27	-0.5	0.00	145.64	139.55
LOT 46P	20P230	GP49	16P196 GP4	S	1.56	21.65	-1.02	0.05	-6.00	139.52	132.19
LOT 47P	20P235	GP7	17P265 GP7	S	0.38	7.57	-1.92	0.33	0.00	132.01	131.79
LOT 48	200667	BEN	180935 WEST 1	TW	6.48	21.70	-0.86	-0.30	3.00	161.54	147.33
LOT 49	200203	180590	180480 GS4	S	3.36	9.02	-1.99	-0.51	-5.00	137.02	138.61
LOT 50P	20P002	GP49	18P157 KPP	S	1.65	20.76	-1.22	0.33	-5.00	142.90	136.09
LOT 51P	20P275	GP7	160882 MXP	S	-0.40	3.63	-1.34	-1.78	0.00	123.29	127.31
LOT 52	200474	WXC	181231 GW1	S	5.33	13.78	-1.30	0.96	1.00	148.23	139.89
LOT 53	200592	170615	151213 AD	TW	7.25	22.59	-0.50	-0.64	0.00	153.23	138.81
LOT 54	200434	WXC	171222 R5	S	2.73	16.04	-1.46	0.96	1.00	148.56	141.84
LOT 55	200549	WXC	170616 WEST1	S	4.28	17.59	-1.19	-0.25	0.00	149.72	141.66

LOT 56P	20P013	GP49	18P028 GP8	S	2.67	16.25	-1.12	0.95	-3.00	138.82	132.95
LOT 57P	20P330	GP 25	15P073 PB71	S	1.03	16.69	-0.87	-0.88	-1.00	136.73	130.52
LOT 58	200426	WXC	160991 GW4	S	2.01	17.75	-0.75	-0.73	0.00	139.43	130.67
LOT 59	201020	170615	150748 R5	S	2.37	18.37	-1.17	-0.10	0.00	151.21	143.97
LOT 60	201163	GW7	140824 R5	S	4.19	11.49	-1.67	-0.63	4.00	150.57	143.22
LOT 61P	20P260	GP66	14P085 PB71	S	3.03	11.80	-1.45	0.08	6.00	149.15	140.42
LOT 62P	20P357	GP33	17P062 GP7	S	2.83	5.07	-1.24	0.72	0.00	128.52	127.85
LOT 63	200469	GW8	171344 MV	S	3.35	14.51	-0.82	-1.38	0.00	143.41	136.62
LOT 64	200602	170617	171095 GW3	S	3.84	16.74	-1.37	-1.83	0.00	149.50	141.42
LOT 65P	20P064	GP49	18P094 GP7	S	1.18	21.86	-0.87	1.12	-7.00	139.46	134.23
LOT 66	200516	WXC	150608 GW1	S	3.83	14.51	-1.15	-1.04	2.00	149.64	141.23
LOT 67P	20P093	GP7	16P051 GP4	TW	1.71	9.38	-0.64	-0.80	0.00	131.57	129.79
LOT 68	200308	GW5	160320 KT4	TW	1.02	13.74	-1.25	-1.62	-5.00	135.98	136.00
LOT 69	200735	181391	181386 ASG	S	1.78	14.70	-1.01	-1.34	5.00	149.94	141.31
LOT 70	200427	WXC	150803 GW3	TW	4.30	13.89	-1.57	-0.66	0.00	146.89	139.86
LOT 71P	20P320	GP25	17P035 LP	S	1.26	13.38	-1.87	-0.38	-5.00	138.63	138.03
LOT 72	200484	WXC	170866 GW1	S	4.81	17.58	-0.86	-1.36	0.00	143.77	132.75
LOT 73P	20P242	GP66	13P028 QP	TW	1.04	6.14	-1.04	0.28	7.00	135.81	130.96
LOT 74P	20P261	GP66	17P078 GP7	S	1.74	4.75	-2.22	-0.33	3.00	138.12	137.11
LOT 75P	20P097	GP7	16P072 KPP	TW	-0.74	6.43	-1.16	-0.10	0.00	126.27	127.26
LOT 76	200483	WXC	170814 LD1175	S	2.97	14.45	-1.10	-0.22	-6.00	132.51	129.49
LOT 77P	20P119	GP7	17P055 SK28	TW	0.66	3.71	-1.73	-1.55	0.00	126.53	127.80
LOT 78	200591	DM	130417 CAT 5	TW	1.60	14.63	-1.76	-1.28	2.00	148.01	140.82
LOT 79P	20P264	GP7	15P032 GP3	S	-0.69	1.72	-1.88	0.10	-5.00	116.43	124.55
LOT 80	200734	181391	180896 PR3	S	2.15	9.59	-1.35	-0.19	9.00	149.06	140.38

**This year will mark the 7th year since embarking into the Sheep Genetics world of Merino Select and for most is still an unknown system.**

**We have tried to simplify some of the aspects here for you to help understand the data that we present in this supplementary sheet. BUT PLEASE NOTE, we visually class all our sheep and use figures as a guide only. We believe that there are too many variable factors in breeding sheep to use figures as the main classing of your flock but to be used as a guide only.**

**So what is a ASBV?** An ASBV is an estimate of the genetic potential a sheep will pass on to its progeny. ASBVs are available for a range of economically important. The appearance and performance of an animal is a combination of its genes and the environment in which it is raised (e.g. the amount and quality of feed, single or twin birth type).

**Fleece ASBV Definitions -**

**CFW: Clean Fleece Weight (%)** - Rams with higher CFW ASBVs produce progeny which will cut more wool.

**FD: Fibre Diameter (µm)** - Rams with more negative FD ASBVs produce progeny which are finer.

**FDCV: Fibre Diameter Coefficient of Variation (%)** - Rams with lower FDCV ASBVs will produce progeny with lower variation in fibre diameter.

**NLW: Number of Lambs Weaned (%)** - Rams with more positive NLW ASBVs will sire daughters that wean a higher percentage of lambs.(NLW ASBVs estimate the genetic difference between animals for the number of lambs weaned at each lambing opportunity)

**So What are Indexes?** index combines ASBVs for several traits to give a single value. This reflects the performance of the sheep relative to the breeding objective of the particular index.

**Fibre Production (FP) and Fibre Production Plus (FP+)** .These indexes have been developed for Merino wool production of less than 19 micron (adult ewes). A proportion of wethers would be typically retained as wool growing adults.

As this production system is commonly used in high rainfall zones where internal parasites cause significant economic losses, worm egg count is included in the FP+ index. Reproduction and staple strength are also included in the FP+ index.

**Typical trait changes with the FP index:**

- increasing clean fleece weight
- reducing fibre diameter
- reducing CV of diameter
- small increase in yearling weight maintaining adult weight

**Typical trait changes with the FP+ index:**

- increasing clean fleece weight
- reducing fibre diameter
- reducing CV of diameter
- small increase in yearling weight
- maintaining adult weight
- increasing worm resistance
- increasing number of lambs weaned
- increasing staple strength

**Merino Production (MP) and Merino Production Plus (MP+)**.These indexes have been developed for Merino wool + surplus animals production systems in the 18-23 micron range (adult ewes). Wethers and surplus ewes would be typically sold as store or meat animals at yearling to hogget age. Improvement of wool income is focused on a balance of increasing fleece weight and reducing fibre diameter, with a small degree of emphasis on maintaining or slightly increasing staple strength in the MP+ index.

**Typical trait changes with the MP index:**

- increasing clean fleece weight
- reducing fibre diameter
- maintaining CV
- increasing yearling weight & adult weight\*

**Typical trait changes with the MP+ index:**

- increasing clean fleece weight & staple strength
- reducing fibre diameter
- maintaining CV
- increasing yearling weight & adult weight
- increasing number of lambs weaned