

## MERINO BREED - Annual genetic trends of key MERINOSLECT ASBVs and record numbers for the three breech traits

MERINO BREED																				
Year of Birth	ygfw ASBV	acfw ASBV	yfd ASBV	asl ASBV	ass ASBV	acuv ASBV	adcv ASBV	ywt ASBV	awt ASBV	yfat ASBV	yemd ASBV	ywec ASBV	nlw ASBV	ebwr ASBV	ebwr Records	ebcov ASBV	ebcov Records	ldag ASBV	ldag Records	MPP Index
2000	0.9	2.7	-1.2	-1.5	-0.4	1.4	0.1	0.0	-0.5	0.0	0.1	4.5	-1.2%	-0.01		-0.05		0.05	436	116.8
2001	0.3	2.7	-1.3	-1.4	-0.2	1.4	0.0	0.2	-0.3	0.0	0.1	2.2	-1.8%	-0.07		-0.05		-0.02	905	117.9
2002	0.3	2.4	-1.3	-1.5	-0.2	1.4	-0.1	0.5	0.1	0.0	0.2	0.6	-1.3%	-0.08		-0.05		0.03	768	118.4
2003	0.3	2.4	-1.3	-0.8	0.1	1.2	-0.1	0.5	0.0	0.1	0.3	-1.0	-1.1%	-0.07		-0.08		0.00	887	118.7
2004	0.6	2.6	-1.3	-0.3	-0.1	0.5	-0.2	0.9	0.5	0.1	0.3	-2.0	-1.1%	-0.07		-0.05		-0.04	640	119.6
2005	1.8	3.4	-1.2	0.3	0.1	0.1	-0.3	1.2	0.7	0.0	0.3	-1.3	-1.7%	-0.14	1,110	-0.07	1,036	-0.05	2,347	121.7
2006	2.5	3.9	-1.2	0.8	0.2	0.0	-0.3	1.6	1.1	0.1	0.3	-7.0	-1.4%	-0.13	2,654	-0.05	3,223	-0.04	2,731	123.0
2007	3.3	4.4	-1.2	1.1	0.2	0.1	-0.3	1.7	1.2	0.1	0.3	-6.8	-1.0%	-0.08	3,398	-0.06	3,715	-0.03	6,214	124.8
2008	4.1	5.0	-1.2	1.6	0.4	-0.2	-0.4	2.0	1.4	0.1	0.3	-6.0	-0.8%	-0.07	13,687	-0.04	16,621	-0.03	6,075	126.5
2009	4.3	5.1	-1.2	1.8	0.6	-0.3	-0.4	2.3	1.7	0.1	0.4	-7.2	-0.2%	-0.12	19,813	-0.06	15,147	-0.04	6,390	127.4
2010	5.2	6.3	-1.1	2.7	0.3	-1.4	-0.4	2.6	2.0	0.1	0.4	-8.1	-0.7%	-0.11	19,284	-0.06	15,270	-0.05	5,164	128.6
2011	5.3	6.4	-1.1	3.2	0.4	-1.8	-0.4	2.8	2.1	0.1	0.4	-7.9	-0.5%	-0.15	24,059	-0.08	18,611	-0.04	6,511	128.6
2012	5.8	7.2	-1.1	3.5	0.5	-1.9	-0.4	3.0	2.3	0.1	0.4	-8.2	-0.4%	-0.13	26,219	-0.07	20,884	-0.02	7,914	130.5
2013	7.0	8.2	-1.1	3.7	0.6	-2.1	-0.4	3.1	2.4	0.1	0.4	-9.2	-0.6%	-0.12	19,845	-0.07	18,310	-0.05	10,806	132.1
2014	7.7	9.0	-1.1	4.2	0.6	-2.4	-0.4	3.3	2.6	0.1	0.4	-10.2	-0.2%	-0.14	20,465	-0.10	15,314	-0.03	10,491	133.8
2015	9.0	10.1	-1.0	4.5	0.7	-2.8	-0.5	3.7	3.0	0.1	0.4	-12.2	-0.1%	-0.11	19,203	-0.10	15,753	-0.04	11,420	136.2
2016	9.6	10.7	-1.0	4.6	0.7	-3.0	-0.5	4.0	3.2	0.1	0.4	-12.1	-0.2%	-0.14	23,229	-0.09	21,502	-0.04	10,300	137.6
2017	11.0	12.0	-1.0	5.1	0.5	-3.5	-0.4	4.4	3.6	0.1	0.4	-10.4	0.2%	-0.16	28,708	-0.11	24,550	-0.06	11,359	140.4
2018	11.7	12.6	-1.0	5.3	0.6	-3.7	-0.5	4.6	3.8	0.1	0.4	-11.7	1.1%	-0.17	28,141	-0.09	23,323	-0.06	10,277	142.6
2019	13.3	14.1	-0.9	5.7	0.6	-4.2	-0.4	5.0	4.1	0.1	0.4	-10.5	1.8%	-0.19	41,059	-0.10	30,161	-0.06	20,926	146.3
2020	15.0	15.5	-0.9	7.0	0.7	-5.1	-0.5	5.7	4.7	0.2	0.6	-11.1	3.6%	-0.26	52,789	-0.12	36,897	-0.07	7,606	150.4

Source Sheep Genetics June 2021

Note: there are still outstanding records for the 2020 drop

For further information on trends and records numbers please go to:

<https://www.wool.com/globalassets/wool/sheep/research-publications/welfare/2020-rde-update/12.-breeding-and-selection-ind-trends-glindon.pdf>

**FINE TYPE - Annual genetic trends of key MERINOSLECT ASBVs and record numbers for the three breech traits**

Year of Birth	FINE TYPE																			
	ygfw ASBV	acfw ASBV	yfd ASBV	asl ASBV	ass ASBV	acuv ASBV	adcw ASBV	ywt ASBV	awt ASBV	yfat ASBV	yemd ASBV	ywec ASBV	nlw ASBV	ebwr ASBV	ebwr Records	ebcov ASBV	ebcov Records	ldag ASBV	ldag Records	MPP Index
2000	5.3	7.5	-1.1	0.0	-0.8	-0.9	0.3	0.5	0.0	-0.2	-0.1	6.1	-0.3%	0.06		-0.05		0.06	144	124.1
2001	4.1	7.2	-1.2	-0.1	-0.3	-1.0	0.2	0.6	0.1	-0.1	0.0	2.2	-2.2%	-0.01		-0.08		-0.03	905	125.2
2002	3.2	5.9	-1.2	-0.4	-0.1	-0.1	0.1	0.8	0.4	0.0	0.2	0.4	-2.0%	-0.02		-0.05		0.05	768	123.7
2003	3.8	6.9	-1.1	1.0	0.3	-1.1	0.1	0.7	0.3	0.0	0.1	-2.6	-2.1%	-0.02		-0.09		0.01	800	124.3
2004	4.2	6.9	-1.2	0.9	0.2	-1.8	0.0	1.3	0.9	-0.1	0.1	-3.4	-2.1%	-0.03		-0.06		-0.05	445	125.7
2005	5.3	7.5	-1.1	1.6	0.2	-2.1	-0.1	1.6	1.0	-0.1	0.2	4.0	-2.0%	-0.12	1,110	-0.07	1,036	-0.06	1,988	127.4
2006	6.2	8.0	-1.0	2.3	0.4	-2.1	-0.2	2.0	1.4	0.0	0.2	-10.7	-2.0%	-0.08	1,117	-0.06	1,596	-0.06	1,979	128.5
2007	6.8	8.5	-1.1	2.4	0.5	-1.7	-0.3	2.0	1.4	0.0	0.2	-8.9	-1.2%	-0.06	1,849	-0.08	2,118	-0.04	3,912	130.3
2008	7.6	8.6	-1.1	2.9	0.7	-1.9	-0.4	2.4	1.7	0.0	0.2	-8.2	-0.3%	-0.07	9,357	-0.07	13,348	-0.04	3,995	132.1
2009	7.3	8.3	-1.0	3.2	0.9	-2.1	-0.4	2.7	2.0	0.1	0.4	-7.3	0.6%	-0.11	13,635	-0.08	13,147	-0.05	4,586	132.5
2010	7.3	8.8	-1.1	3.6	0.7	-2.5	-0.4	2.8	2.1	0.1	0.4	-5.0	-0.5%	-0.09	15,169	-0.07	13,177	-0.06	3,812	133.0
2011	7.1	8.5	-1.1	3.8	0.7	-2.8	-0.4	2.9	2.2	0.1	0.3	-8.1	-0.4%	-0.16	19,818	-0.12	17,209	-0.06	4,980	132.7
2012	7.7	9.4	-1.1	4.4	0.8	-3.0	-0.4	3.1	2.5	0.0	0.3	-8.6	-0.7%	-0.12	20,389	-0.12	19,159	-0.04	6,067	134.3
2013	8.9	10.3	-1.1	4.4	0.9	-3.1	-0.5	3.1	2.5	0.0	0.3	-10.1	-1.0%	-0.10	16,257	-0.10	15,475	-0.07	7,446	135.9
2014	9.3	10.6	-1.1	4.4	0.8	-3.3	-0.5	3.4	2.7	0.0	0.3	-9.4	-0.7%	-0.12	16,809	-0.13	14,570	-0.03	7,563	137.3
2015	10.4	11.2	-1.0	4.9	0.9	-3.5	-0.5	3.9	3.2	0.1	0.3	-13.2	0.4%	-0.11	14,708	-0.14	13,814	-0.05	6,317	139.2
2016	11.1	11.8	-1.0	5.0	0.9	-3.9	-0.6	4.2	3.4	0.1	0.4	-15.2	0.1%	-0.14	16,676	-0.14	16,568	-0.04	6,447	141.4
2017	12.9	13.4	-1.1	5.3	0.6	-4.4	-0.5	4.6	3.7	0.1	0.3	-13.3	1.3%	-0.14	20,230	-0.14	17,499	-0.08	6,485	145.3
2018	13.3	13.7	-1.1	5.5	0.8	-4.4	-0.5	4.7	3.8	0.1	0.4	-15.3	1.7%	-0.12	15,220	-0.08	15,130	-0.06	3,990	147.0
2019	14.8	15.5	-1.1	5.6	0.8	-4.7	-0.5	5.0	4.1	0.0	0.3	-13.0	2.5%	-0.10	20,988	-0.09	14,363	-0.07	10,061	151.3
2020	16.5	16.8	-1.1	6.5	0.9	-5.4	-0.6	5.5	4.5	0.1	0.4	-14.0	4.7%	-0.12	21,792	-0.08	19,818	-0.07	1,401	155.5

Source Sheep Genetics June 2021

Note: there are still outstanding records for the 2020 drop

**For further information on trends and records numbers please go to:**

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**SUPER FINE TYPE - Annual genetic trends of key MERINOSLECT ASBVs and record numbers for the three breech traits**

Year of Birth	SUPER FINE TYPE																			FPP Index
	ygfw ASBV	acfw ASBV	yfd ASBV	asl ASBV	ass ASBV	acuv ASBV	adcv ASBV	ywt ASBV	awt ASBV	yfat ASBV	yemd ASBV	ywec ASBV	nlw ASBV	ebwr ASBV	ebwr Records	ebcov ASBV	ebcov Records	ldag ASBV	ldag Records	
2000	-10.1	-9.2	-1.9	-5.5	-0.4	7.7	-0.4	-2.0	-2.5	0.2	0.4	3.8	-1.6%	0.05		0.05		0.06	292	112.7
2001	-10.1	-9.3	-1.9	-5.3	-0.3	7.7	-0.4	-2.1	-2.4	0.1	0.3	2.3	-1.7%	0.00		-0.01		0.08		114.3
2002	-10.3	-9.6	-2.0	-5.9	-0.5	7.4	-0.4	-1.9	-2.3	0.1	0.3	-1.3	-1.3%	-0.02		-0.04		-0.02		114.7
2003	-10.3	-9.3	-2.0	-4.9	-0.4	7.3	-0.5	-1.9	-2.2	0.1	0.3	-2.8	-0.9%	-0.05		-0.01		-0.03	87	115.4
2004	-10.2	-9.0	-2.0	-5.3	-0.5	7.4	-0.5	-1.9	-2.1	0.2	0.3	-2.6	-1.7%	-0.03		0.04		0.01	195	116.4
2005	-8.9	-8.3	-2.0	-4.7	-0.2	7.2	-0.5	-1.5	-1.8	0.1	0.3	-6.4	-2.5%	-0.04		-0.04		-0.03	359	118.4
2006	-7.3	-6.9	-2.0	-4.5	0.0	6.9	-0.5	-1.3	-1.7	0.1	0.2	-3.0	-3.2%	-0.07	758	0.03	336	-0.03	752	120.3
2007	-5.7	-5.6	-2.0	-4.3	0.0	6.8	-0.4	-0.8	-1.3	0.1	0.3	-4.5	-2.5%	0.07	249	0.05	297	0.01	744	122.7
2008	-5.0	-4.8	-2.0	-4.0	-0.1	6.5	-0.4	-0.5	-1.1	0.1	0.3	-3.4	-3.0%	0.07	2,236	0.09	1,154	0.01	1,344	123.5
2009	-5.0	-4.5	-2.0	-4.0	0.2	6.6	-0.5	-0.4	-0.9	0.0	0.2	-6.0	-2.8%	0.07	4,743	0.06	742	0.00	1,389	124.7
2010	-3.4	-2.6	-2.0	-3.8	-0.2	5.8	-0.4	-0.2	-0.9	-0.1	0.2	-14.7	-1.7%	0.08	1,452	0.10	810	0.02	1,005	127.0
2011	-2.9	-2.2	-2.0	-3.7	0.1	5.8	-0.4	0.0	-0.6	-0.1	0.2	-6.1	-1.5%	0.07	2,352	0.10	1,432	0.05	738	127.4
2012	-3.5	-2.4	-2.0	-3.7	0.0	5.6	-0.4	0.0	-0.5	-0.1	0.2	-5.6	-0.9%	0.06	2,893	0.08	1,584	0.04	1,472	128.2
2013	-0.8	0.0	-1.9	-2.9	0.3	4.8	-0.4	0.5	-0.1	-0.1	0.2	-11.4	0.0%	0.12	3,247	0.07	1,223	0.01	738	130.2
2014	0.0	0.8	-1.9	-2.5	0.4	4.7	-0.5	0.6	-0.1	-0.1	0.2	-13.3	0.3%	0.13	2,366	0.06	1,202	0.00	346	131.6
2015	1.6	2.4	-1.9	-2.2	0.4	4.3	-0.5	1.1	0.5	-0.1	0.2	-14.5	1.1%	0.16	2,711	0.04	861	0.01	1,420	134.3
2016	2.4	3.0	-1.9	-1.8	0.4	4.1	-0.5	1.6	0.8	-0.1	0.2	-14.2	0.5%	0.15	2,431	0.07	1,315	-0.01	2,344	134.7
2017	3.6	4.3	-1.8	-1.2	0.3	3.3	-0.5	2.2	1.3	-0.1	0.2	-13.2	0.5%	0.20	1,216	0.06	679	0.02	959	135.7
2018	6.2	6.5	-1.7	-0.4	0.4	2.5	-0.5	2.7	1.6	0.0	0.3	-13.1	2.4%	0.18	1,561	0.05	639	-0.02	1,423	138.7
2019	8.5	9.0	-1.6	0.2	0.7	1.9	-0.4	3.0	1.9	-0.1	0.3	-10.1	3.2%	0.17	800	0.05	800	-0.02	869	141.5
2020	10.8	10.9	-1.3	1.4	1.3	1.3	-0.4	4.0	2.8	0.1	0.5	-2.7	4.0%	0.06	2,747	0.02	2,640	-0.02	1,061	141.3

Source Sheep Genetics June 2021

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**MEDIUM TYPE - Annual genetic trends of key MERINOSLECT ASBVs and record numbers for the three breech traits**

Year of Birth	MEDIUM TYPE																			
	ygfw ASBV	acfw ASBV	yfd ASBV	asl ASBV	ass ASBV	acuv ASBV	adcv ASBV	ywt ASBV	awt ASBV	yfat ASBV	yemd ASBV	ywec ASBV	nlw ASBV	ebwr ASBV	ebwr Records	ebcov ASBV	ebcov Records	ldag ASBV	ldag Records	DPP Index
2000	6.9	8.9	-0.3	2.4	0.2	-4.0	0.2	2.1	1.8	0.0	0.0	3.2	1.0%	-0.31		-0.14		-0.02		122.1
2001	7.6	9.7	-0.4	2.5	-0.4	-4.1	0.1	2.3	1.9	0.0	0.0	3.4	1.2%	-0.26		0.01		0.05		124.1
2002	6.9	8.8	-0.6	2.8	-0.8	-3.9	0.1	2.4	1.9	0.0	0.1	8.8	-0.1%	-0.28		-0.04		0.02		124.2
2003	8.1	9.9	-0.5	3.3	-0.2	-4.3	0.0	2.8	2.3	0.0	0.2	14.2	0.5%	-0.25		-0.08		0.03		128.6
2004	7.1	8.5	-0.4	5.9	-0.6	-5.1	-0.2	3.4	3.1	0.2	0.5	9.9	1.1%	-0.34		-0.09		0.00		130.2
2005	7.4	9.0	-0.4	5.2	-0.2	-4.9	-0.1	3.5	3.2	0.2	0.4	-1.0	0.8%	-0.32		-0.08		-0.06		130.2
2006	7.1	8.3	-0.5	6.0	-0.2	-5.1	-0.2	4.0	3.6	0.2	0.5	-12.5	2.2%	-0.28	1,558	-0.06	2,070	0.05		131.6
2007	7.3	7.9	-0.5	6.2	-0.4	-4.7	-0.2	3.9	3.3	0.3	0.5	-4.0	0.6%	-0.22	1,966	-0.08	1,966	0.00	1,864	130.4
2008	7.1	8.1	-0.5	7.3	0.2	-5.4	-0.4	4.0	3.6	0.3	0.6	-2.8	0.8%	-0.28	2,244	-0.08	2,244	0.00	674	131.8
2009	7.6	8.5	-0.5	7.2	0.2	-5.1	-0.5	4.3	3.9	0.3	0.6	-7.4	0.3%	-0.40	1,910	-0.10	1,732	-0.01	415	133.1
2010	7.9	9.0	-0.6	7.7	-0.3	-6.0	-0.4	4.7	4.0	0.3	0.6	-8.4	0.1%	-0.35	3,099	-0.11	1,718	-0.06	334	133.2
2011	7.4	8.3	-0.6	8.1	0.0	-5.8	-0.5	4.5	3.7	0.3	0.6	-12.4	0.3%	-0.42	3,492	-0.11	1,844	-0.02	555	132.6
2012	8.3	9.3	-0.7	8.4	0.2	-6.0	-0.5	4.8	4.0	0.3	0.6	-6.9	1.0%	-0.46	4,726	-0.11	1,924	-0.02	375	135.8
2013	9.1	10.2	-0.7	8.1	0.0	-6.0	-0.5	4.7	3.9	0.2	0.5	-4.1	-0.1%	-0.49	1,211	-0.17	1,018	-0.06	79	137.2
2014	9.6	11.2	-0.8	7.8	0.0	-6.0	-0.4	4.5	3.7	0.2	0.4	-12.8	0.5%	-0.51	1,909	-0.17	155	-0.10	271	138.1
2015	10.7	13.0	-0.7	7.7	0.2	-6.3	-0.4	4.9	4.1	0.2	0.4	-9.9	-1.2%	-0.42	1,763	-0.16	1,057	-0.09	890	139.7
2016	10.8	13.1	-0.7	7.7	0.2	-6.6	-0.4	4.8	3.9	0.1	0.4	-9.3	-1.0%	-0.49	504	-0.14	163	-0.08		139.2
2017	12.3	14.4	-0.8	8.1	0.1	-6.8	-0.4	5.3	4.3	0.1	0.3	-3.4	-1.6%	-0.44	1,610	-0.15	723	-0.04		141.6
2018	13.2	15.4	-0.7	8.5	0.1	-7.1	-0.4	5.6	4.6	0.2	0.4	-0.1	-0.5%	-0.47	3,330	-0.11	1,353	-0.04	190	145.1
2019	14.5	16.3	-0.7	8.4	0.1	-7.2	-0.4	6.0	5.0	0.2	0.5	-4.8	0.1%	-0.44	12,161	-0.15	10,062	-0.07	2,390	148.9
2020	15.8	17.6	-0.7	9.7	0.0	-8.8	-0.4	6.6	5.5	0.2	0.6	-2.9	1.7%	-0.46	14,685	-0.18	6,863	-0.05	1,630	154.3

Source Sheep Genetics June 2021

Note: there are still outstanding records for the 2020 drop

**For further information on trends and records numbers please go to:**

<https://www.wool.com/globalassets/wool/sheep/research-publications/welfare/2020-rde-update/12.-breeding-and-selection-ind-trends-glindon.pdf>