



TransTasman Angus Cattle Evaluation

GENETIC BENCHMARKING REPORT

PAA

PAVEY

AUGUST 2026

INTRODUCTION

This publication provides information enabling you to carefully evaluate and benchmark the genetic improvement of your seedstock breeding enterprise against other Angus seedstock enterprises who are members of Angus Australia.

Several different reports are provided within this publication, including:

- **Current Genetic Position:** a summary of the average genetic merit of the current dams and calves within your seedstock enterprise, relative to Angus seedstock animals in other herds.
- **Genetic Progress Summary:** a summary of the genetic improvement that has occurred within your seedstock enterprise within the past five years, relative to the genetic progress that has occurred within other Angus seedstock enterprises.
- **Genetic Progress By Trait:** a summary of the genetic improvement that has occurred for each trait within your seedstock enterprise over time, relative to the genetic progress that has occurred within other Angus seedstock enterprises.
- **Use of Reproductive Technologies:** a summary of the utilisation of reproductive technologies within your seedstock enterprise over time, relative to the utilisation of reproductive technologies within other Angus seedstock enterprises.
- **Generation Length:** a summary of the average age of sires and dams within your seedstock enterprise over time, relative to the average age of sires and dams within other Angus seedstock enterprises.
- **Genetic Diversity:** a summary of the average level of inbreeding within your seedstock enterprise over time, relative to the level of inbreeding within other Angus seedstock enterprises.
- **Carrier Frequency by Register:** a summary of the frequency of carriers for recessive genetic conditions in within your seedstock enterprise over time.

This publication should be used to not only benchmark the genetics of animals within your seedstock enterprise, but to identify areas that can be targeted to increase the rate of genetic improvement being achieved within your breeding program.

Further information on the interpretation of this publication is provided within each report, or is available from staff at Angus Australia.

ACKNOWLEDGEMENTS

Angus Australia gratefully acknowledges the contributions of Agricultural Business Research Institute (ABRI) staff in the calculation of the EBVs that are used to generate many of the reports contained in this publication, along with staff at the Animal Genetics & Breeding Unit (AGBU) and Meat & Livestock Australia Limited (MLA) in the development of the beef genetic evaluation analytical software used to generate the EBVs, and members of Angus Australia who collect the pedigree, performance and genomic information that underpins the EBVs.

Angus Australia also acknowledges its partnership with the New Zealand Angus Association in conducting the Trans-Tasman Angus BREEDPLAN analysis, and the co-operation of the American Angus Association, the Canadian Angus Association and the Red Angus Association of America in providing EPD information is gratefully acknowledged.

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DISCLAIMER

The information used to generate the reports within this publication was compiled based on data supplied to Angus

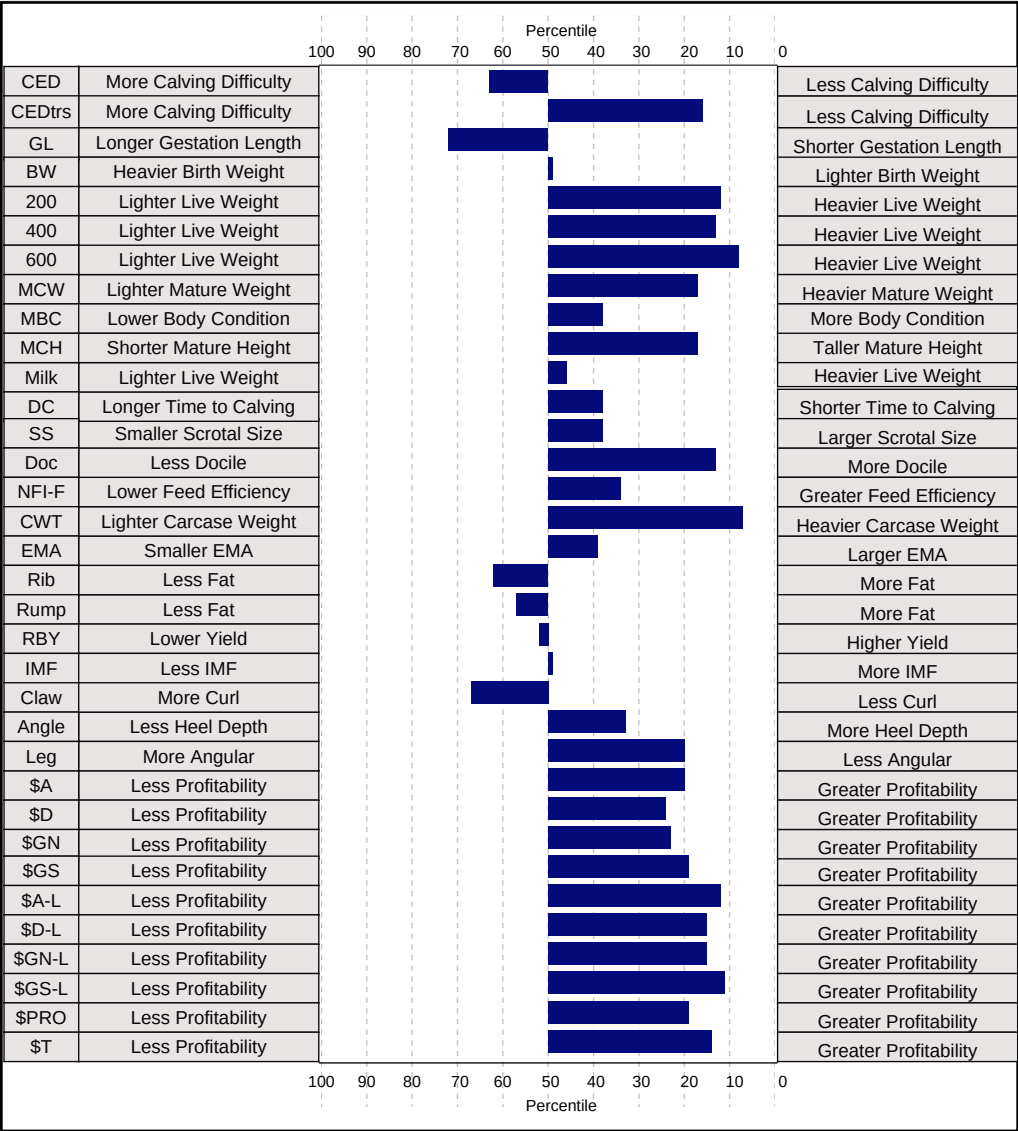
Australia by members and/or third parties. Whilst every effort is made to ensure the accuracy of the data, Angus Australia, its officers and employees, assume no responsibility for the accuracy of the reports in this publication, nor for the outcome (including consequential loss) of any action taken based on the information presented in this publication.

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This report benchmarks the EBVs of the calves within your seedstock enterprise, relative to calves in other Angus seedstock enterprises, in the nominated birth year.

Note: the percentile bands reflect how the EBVs of calves in your enterprise compare to other Angus seedstock animals born in the nominated birth year, which may differ from how they compare to the percentile bands included in the standard reference tables for the TransTasman Angus Cattle Evaluation.

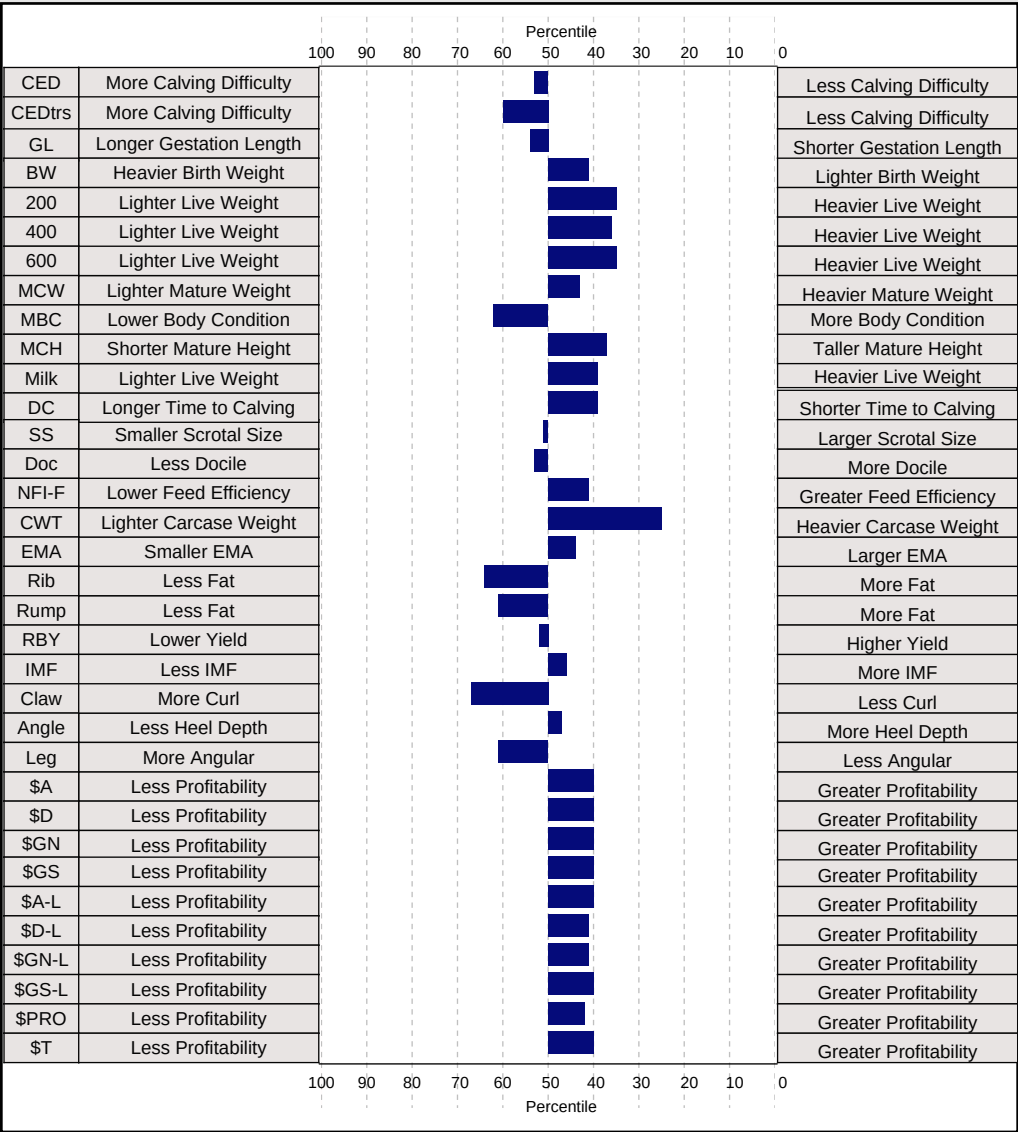
Trait	Herd	Breed	Percentile Band
Calving Ease Direct	+1.6	+2.7	63
Calving Ease Dtrs	+6.9	+3.4	16
Gestation Length	-3.2	-4.8	72
Birth Weight	+3.8	+3.8	50
200 Day Growth	+62	+53	12
400 Day Weight	+110	+96	13
600 Day Weight	+148	+123	8
Mat. Cow Weight	+126	+104	17
Mat. Body Condition	+0.34	+0.33	38
Mat. Cow Height	+10.1	+7.8	17
Milk	+18	+18	46
Days to Calving	-5.5	-5.2	38
Scrotal Size	+2.5	+2.3	38
Docility	+33	+22	13
NFI-F	+0.09	+0.25	34
Carcase Weight	+90	+70	7
Eye Muscle Area	+7.7	+7.4	39
Rib Fat	-0.5	+0.1	62
Rump Fat	-0.6	-0.2	57
Retail Beef Yield	+0.3	+0.4	52
IMF	+2.5	+2.8	50
Claw Set	+0.92	+0.78	67
Foot Angle	+0.90	+0.91	33
Leg Angle	+0.91	+0.97	20
Angus Breeding (\$A)	+243	+220	20
Domestic (\$D)	+197	+182	24
Heavy Grain (\$GN)	+318	+291	23
Heavy Grass (\$GS)	+230	+204	19
Angus Breeding Low Feed Cost (\$A-L)	+419	+372	12
Domestic Low Feed Cost (\$D-L)	+358	+321	15
Heavy Grain Low Feed Cost (\$GN-L)	+499	+447	15
Heavy Grass Low Feed Cost (\$GS-L)	+478	+418	11
AngusPRO (\$PRO)	+195	+169	19
Angus Terminal Sire (\$T)	+219	+198	14



This report benchmarks the EBVs of dams that are active on the female inventory of your seedstock enterprise, relative to the dams that are active on the female inventory in other Angus seedstock enterprises.

Note: the percentile bands reflect how the EBVs of females in your enterprise compare to other Angus seedstock females that are active on female inventory, which may differ from how they compare to the percentile bands included in the standard reference tables for the TransTasman Angus Cattle Evaluation.

Trait	Herd	Breed	Percentile Band
Calving Ease Direct	+2.1	+1.8	53
Calving Ease Dtrs	+1.9	+2.4	60
Gestation Length	-3.9	-4.2	54
Birth Weight	+3.7	+4.0	41
200 Day Growth	+53	+50	35
400 Day Weight	+95	+90	36
600 Day Weight	+124	+116	35
Mat. Cow Weight	+104	+99	43
Mat. Body Condition	+0.26	+0.32	62
Mat. Cow Height	+8.8	+8.2	37
Milk	+18	+17	39
Days to Calving	-5.2	-4.7	39
Scrotal Size	+2.0	+2.1	51
Docility	+19	+20	53
NFI-F	+0.13	+0.21	41
Carcase Weight	+75	+66	25
Eye Muscle Area	+6.5	+6.2	44
Rib Fat	-0.7	+0.0	64
Rump Fat	-0.9	-0.3	61
Retail Beef Yield	+0.4	+0.5	52
IMF	+2.3	+2.3	46
Claw Set	+0.92	+0.83	67
Foot Angle	+0.95	+0.95	47
Leg Angle	+1.05	+1.00	61
Angus Breeding (\$A)	+210	+196	40
Domestic (\$D)	+173	+162	40
Heavy Grain (\$GN)	+275	+258	40
Heavy Grass (\$GS)	+193	+180	40
Angus Breeding Low Feed Cost (\$A-L)	+357	+337	40
Domestic Low Feed Cost (\$D-L)	+308	+291	41
Heavy Grain Low Feed Cost (\$GN-L)	+426	+402	41
Heavy Grass Low Feed Cost (\$GS-L)	+402	+377	40
AngusPRO (\$PRO)	+156	+144	42
Angus Terminal Sire (\$T)	+190	+180	40



Herd Id: PAA
Herd Prefix: PAVEY

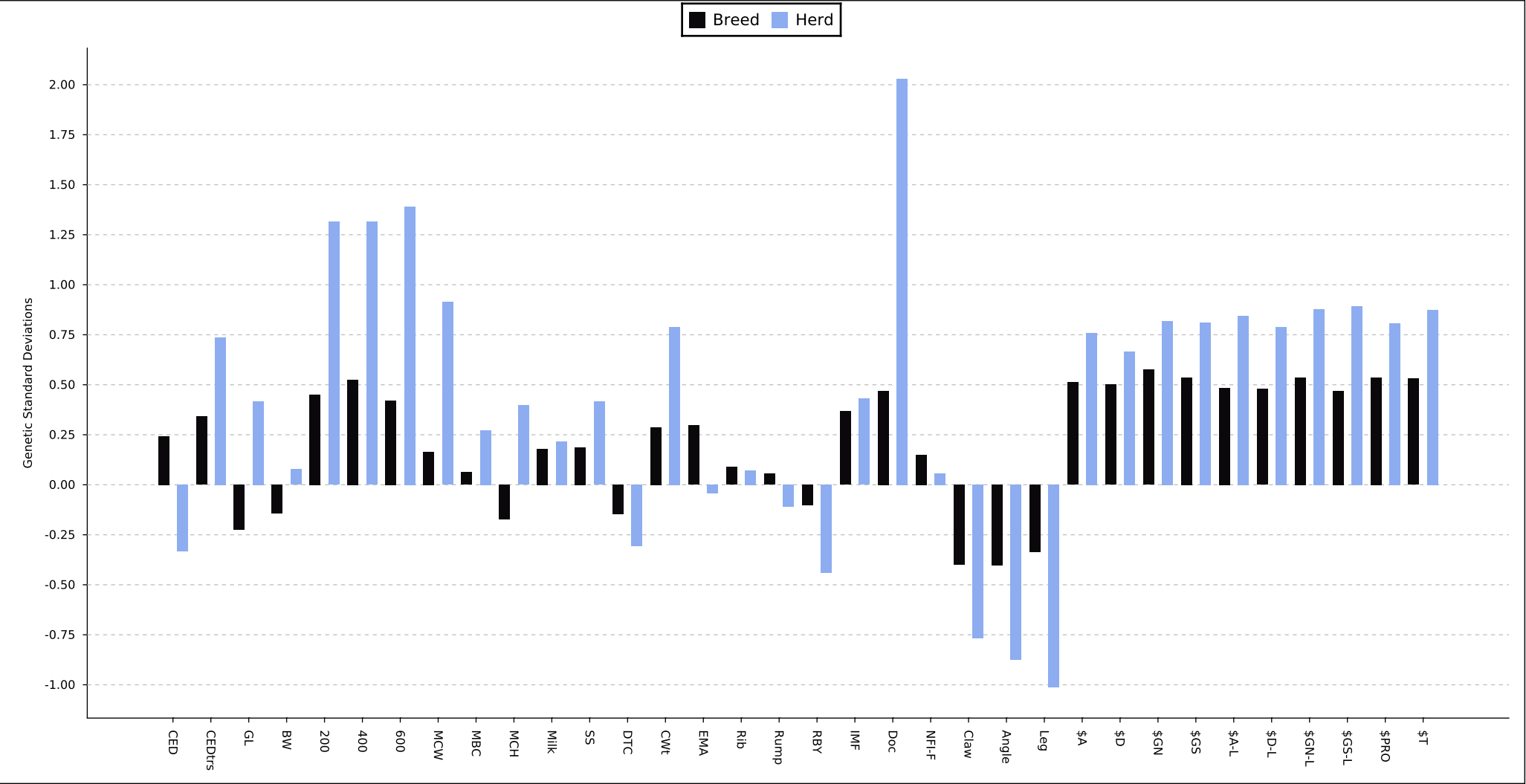
Genetic Progress Summary 2020 to 2025

Date: July 30, 2026
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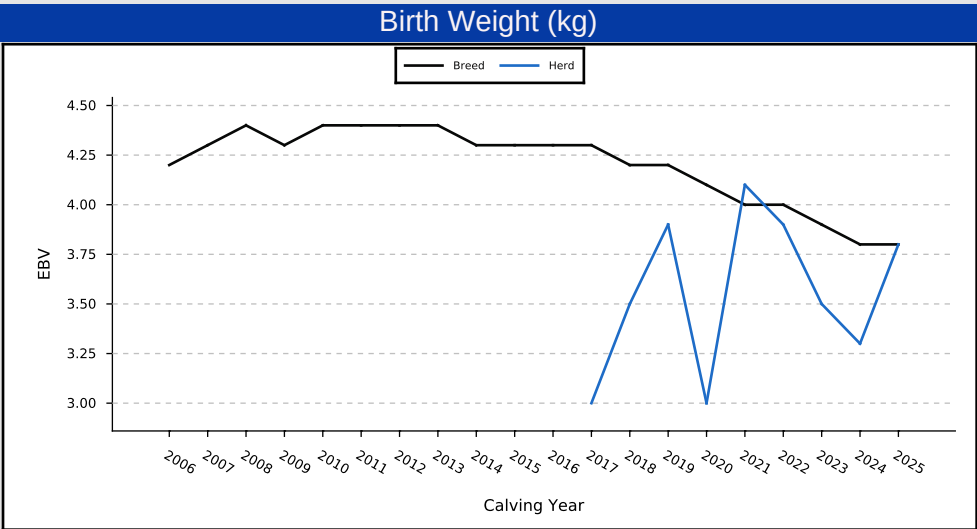
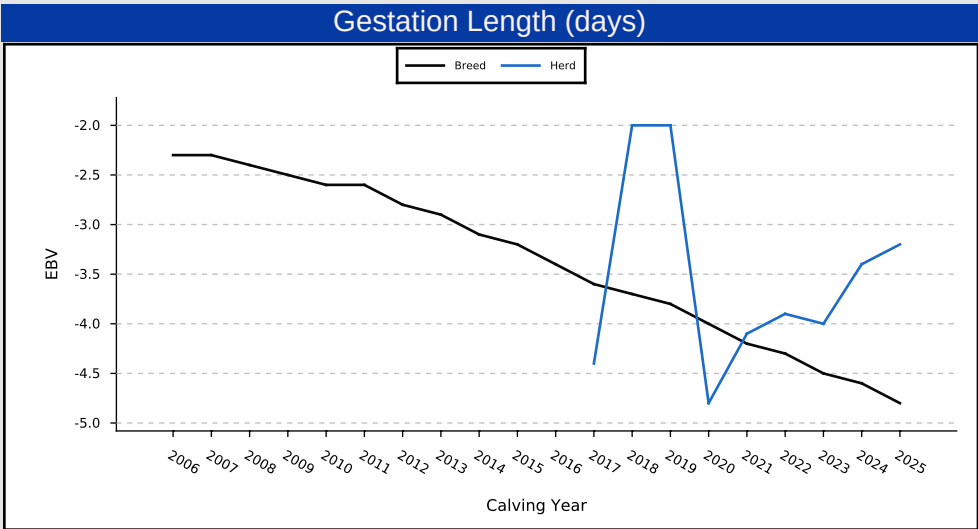
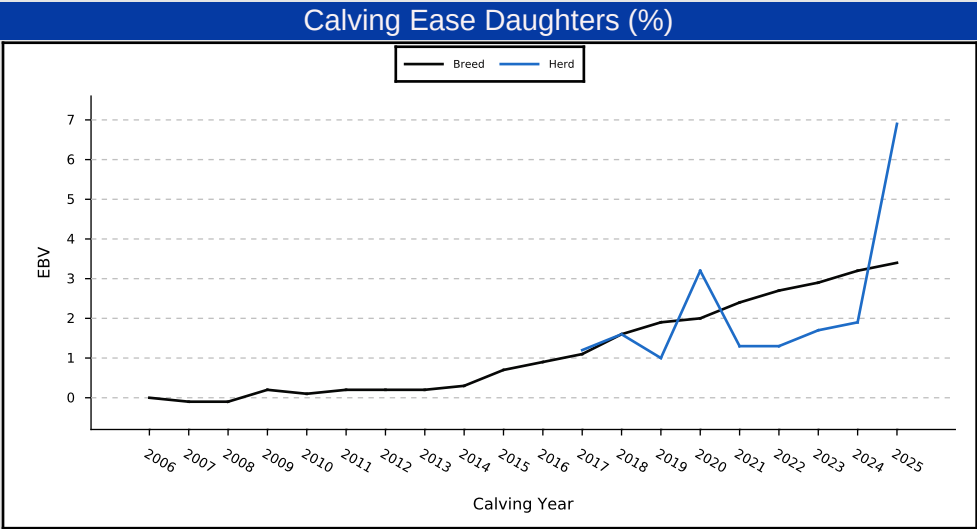
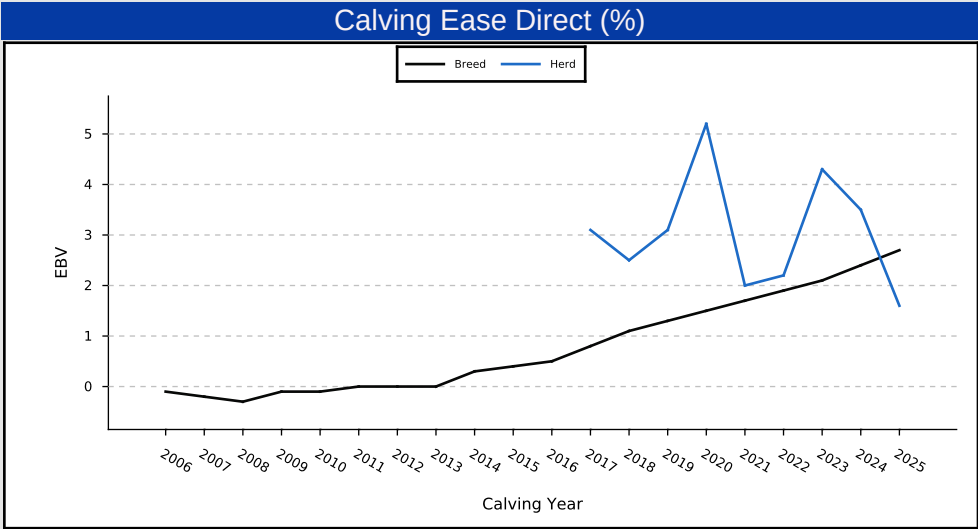
This report assesses the change in the average EBVs of animals born in your seedstock enterprise across the nominated five year period. Equivalent statistics are provided for animals born in other Angus seedstock enterprises, enabling not only the genetic change that has occurred within your seedstock enterprise to be assessed in isolation, but also enabling this genetic change to be benchmarked with the change that has occurred within the Angus breed as a whole during the nominated period.

Trait	Units	Herd		Breed	
		Change	Av. Change / Yr	Change	Av. Change / Yr
Calving Ease Direct	%	-1.6	-0.3	+1.2	+0.2
Calving Ease Daughters	%	+3.0	+0.6	+1.4	+0.3
Gestation Length	days	+1.4	+0.3	-0.8	-0.2
Birth Weight	kg	+0.2	+0.0	-0.3	-0.1
200 Day Growth	kg	+13.0	+2.6	+4.5	+0.9
400 Day Weight	kg	+20.7	+4.1	+8.3	+1.7
600 Day Weight	kg	+31.1	+6.2	+9.4	+1.9
Mature Cow Weight	kg	+27.1	+5.4	+4.9	+1.0
Mature Body Condition	score	+0.1	+0.0	+0.0	+0.0
Mature Cow Height	cm	+1.0	+0.2	-0.5	-0.1
Milk	kg	+1.7	+0.3	+1.4	+0.3
Scrotal Size	cm	+0.6	+0.1	+0.3	+0.1
Days to Calving	days	-1.0	-0.2	-0.5	-0.1
Carcase Weight	kg	+16.4	+3.3	+6.0	+1.2
Carcase EMA	cm.sq	-0.2	+0.0	+1.4	+0.3
Carcase Rib Fat	mm	+0.2	+0.0	+0.2	+0.0
Carcase Rump Fat	mm	-0.4	-0.1	+0.2	+0.0
Retail Beef Yield	%	-0.5	-0.1	-0.1	+0.0
Carcase IMF	%	+0.8	+0.2	+0.7	+0.1
Docility	%	+12.4	+2.5	+2.9	+0.6
NFI-F	%	+0.0	+0.0	+0.1	+0.0
Claw Set	score	-0.1	+0.0	-0.1	+0.0
Foot Angle	score	-0.1	+0.0	-0.1	+0.0
Leg Angle	score	-0.1	+0.0	+0.0	+0.0
Angus Breeding (\$A)	\$	+43.4	+8.7	+29.3	+5.9
Domestic (\$D)	\$	+31.7	+6.3	+23.8	+4.8
Heavy Grain (\$GN)	\$	+58.8	+11.8	+41.4	+8.3
Heavy Grass (\$GS)	\$	+45.7	+9.1	+30.2	+6.0
Angus Breeding Low Feed Cost (\$A-L)	\$	+75.0	+15.0	+43.0	+8.6
Domestic Low Feed Cost (\$D-L)	\$	+60.1	+12.0	+36.4	+7.3
Heavy Grain Low Feed Cost (\$GN-L)	\$	+91.4	+18.3	+55.8	+11.2
Heavy Grass Low Feed Cost (\$GS-L)	\$	+93.5	+18.7	+49.2	+9.8
AngusPRO (\$PRO)	\$	+45.4	+9.1	+30.1	+6.0
Angus Terminal Sire (\$T)	\$	+37.6	+7.5	+22.8	+4.6

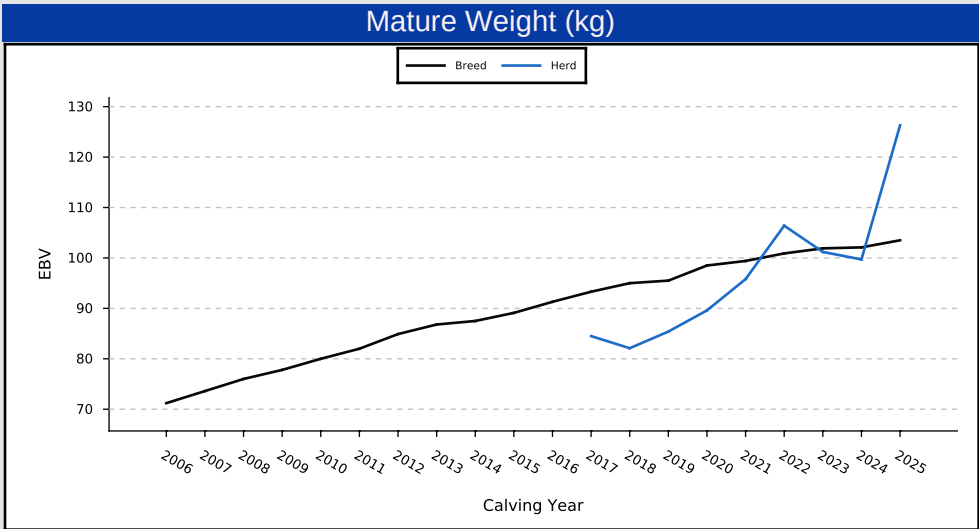
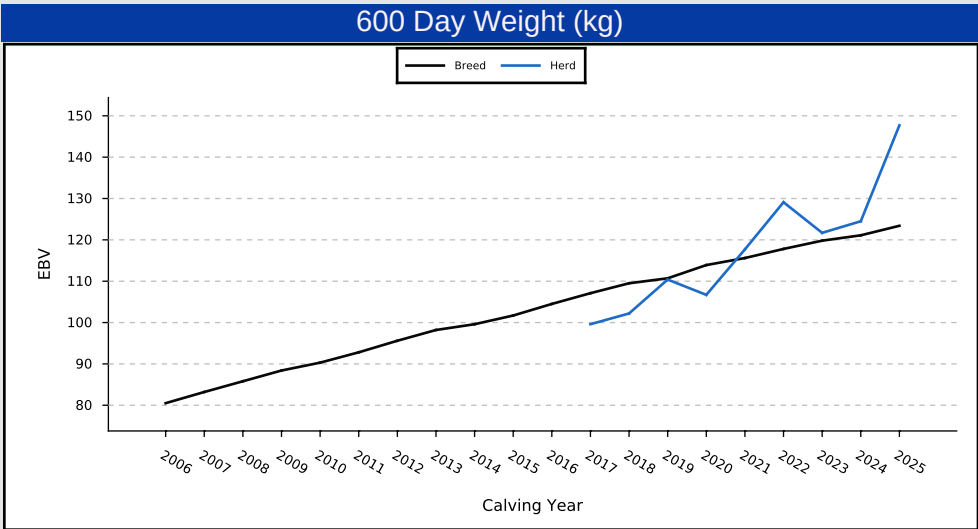
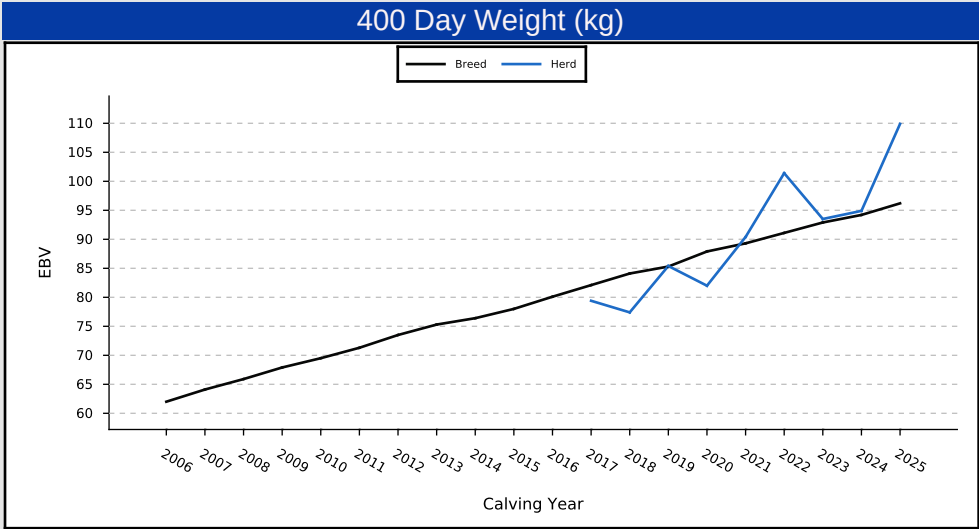
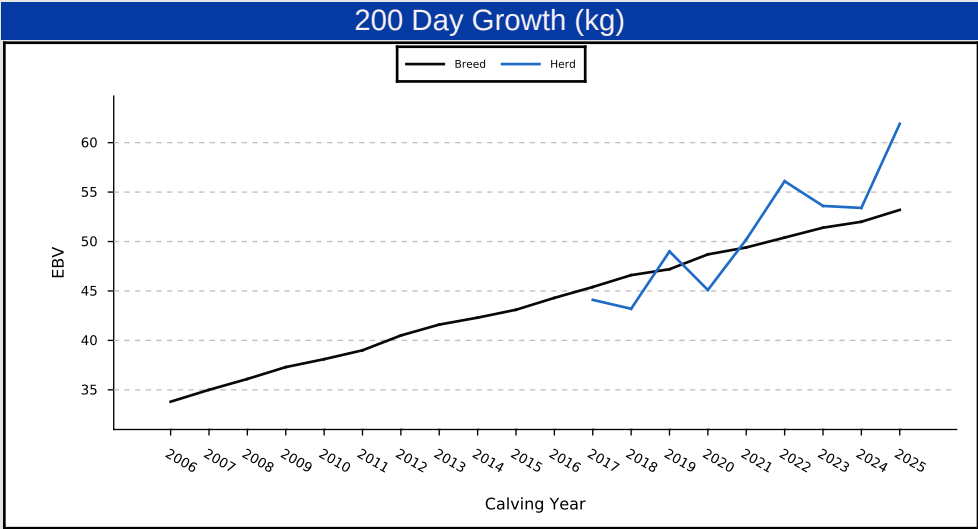
This report assesses the change in the average EBVs of animals born in your seedstock enterprise across the nominated five year period in standard deviation units (rather than the units of measurement), enabling comparison of the relative change that has occurred in individual traits. Equivalent statistics are provided for animals born in other Angus seedstock enterprises.



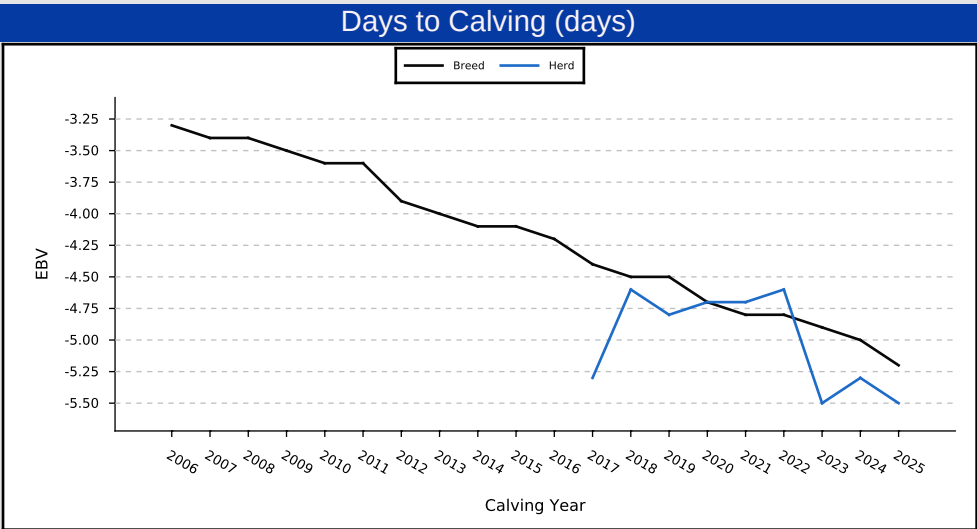
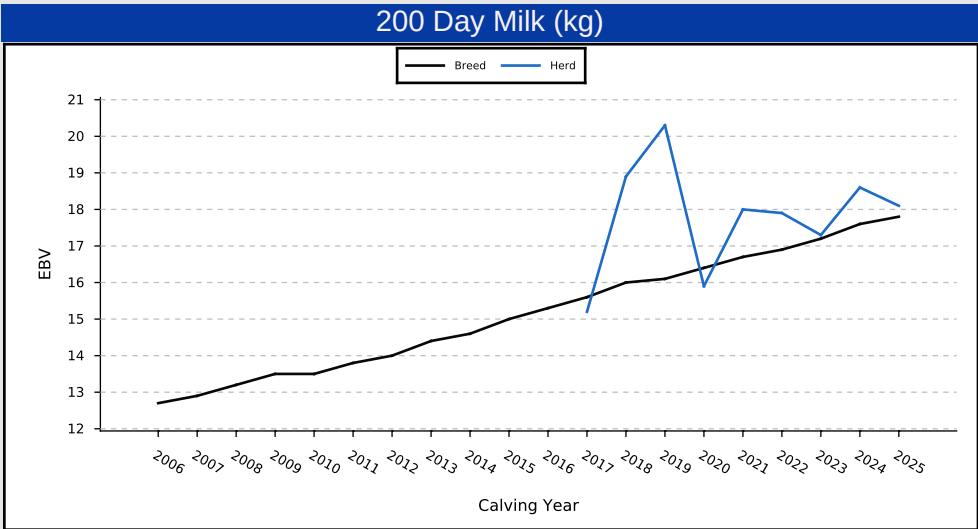
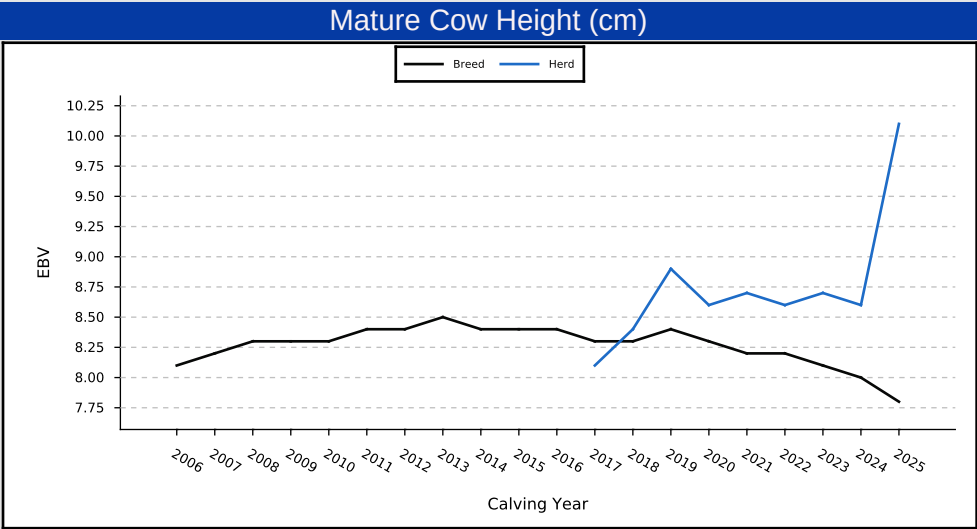
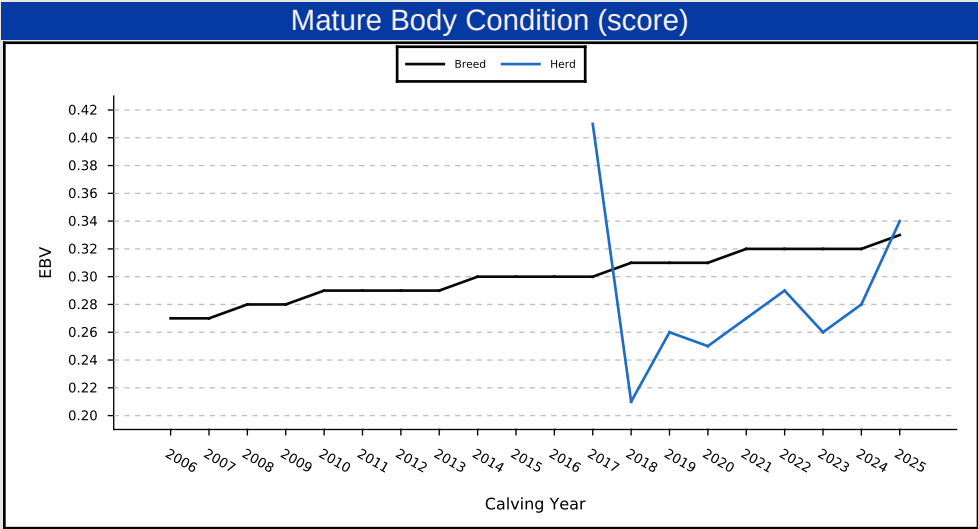
The reports below assess the change in the average EBVs of animals born in your seedstock enterprise in each year for each respective trait. Equivalent statistics are provided for animals born in other Angus seedstock enterprises, enabling not only the genetic change that has occurred within your seedstock enterprise to be assessed in isolation, but also enabling the genetic change in your enterprise to be benchmarked with the genetic change in the Angus breed as a whole.



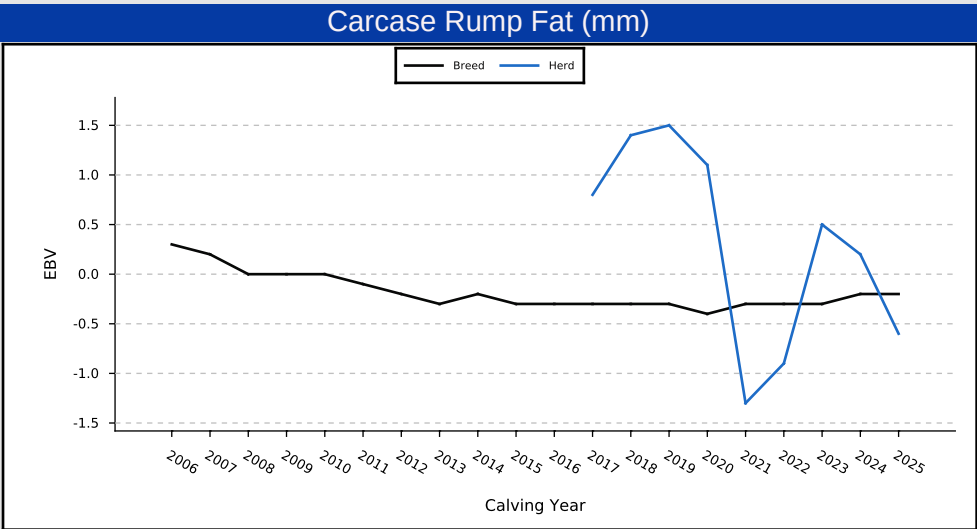
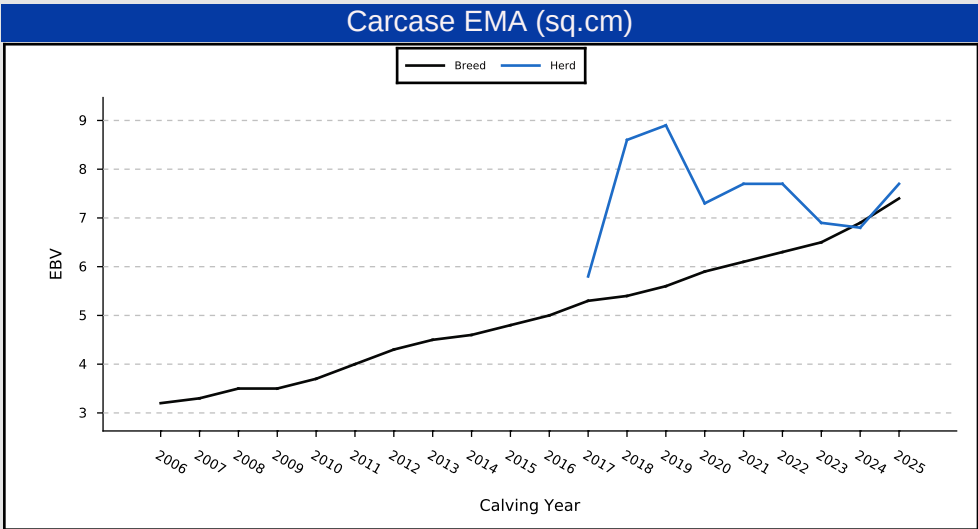
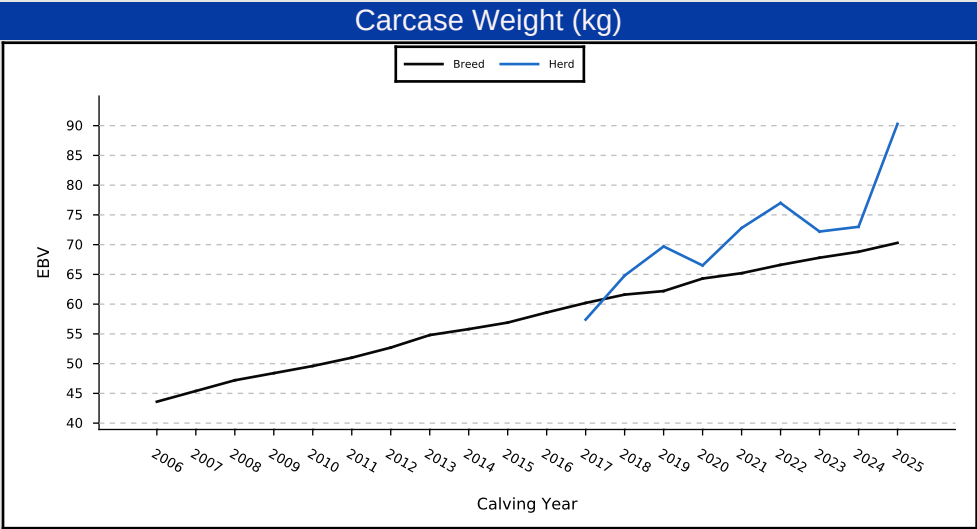
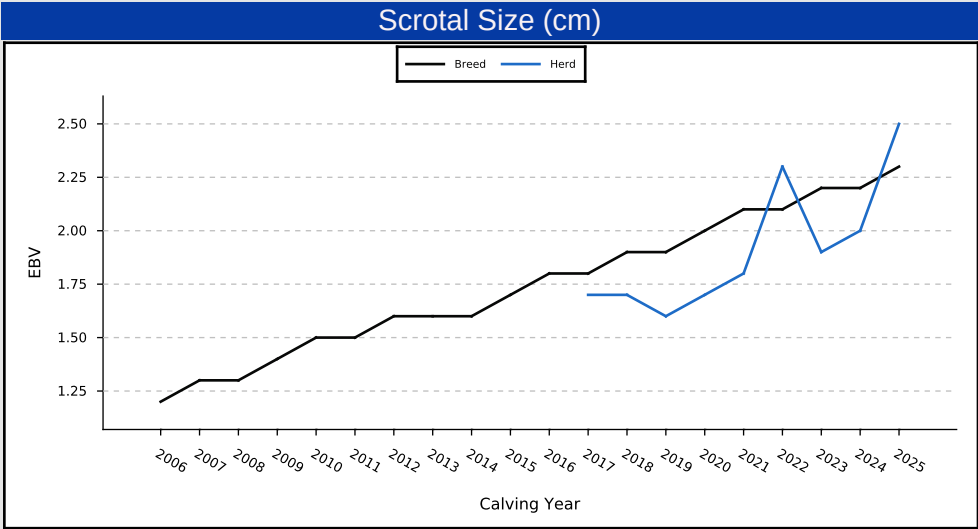
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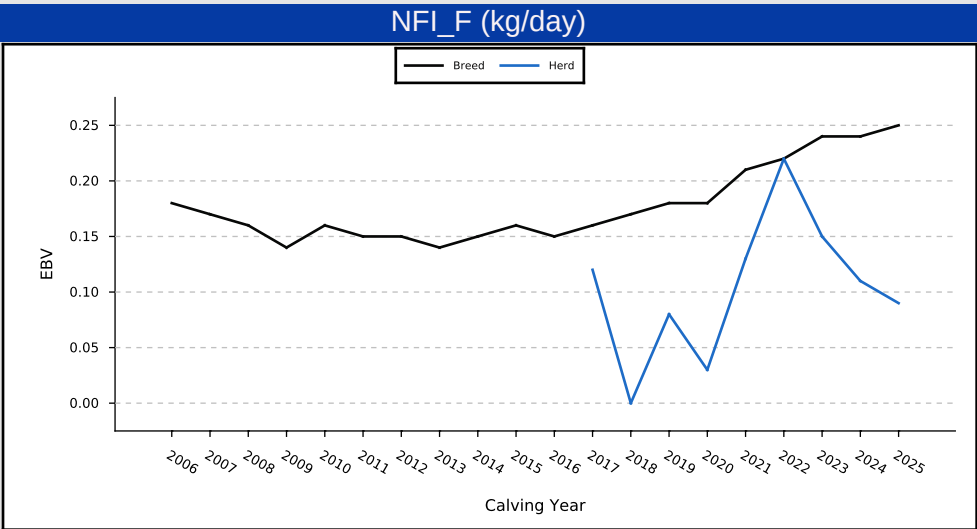
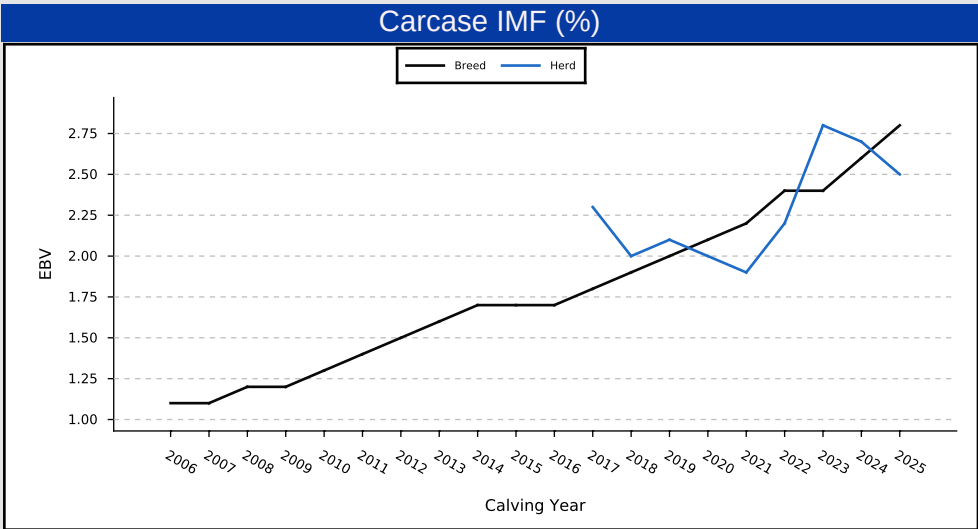
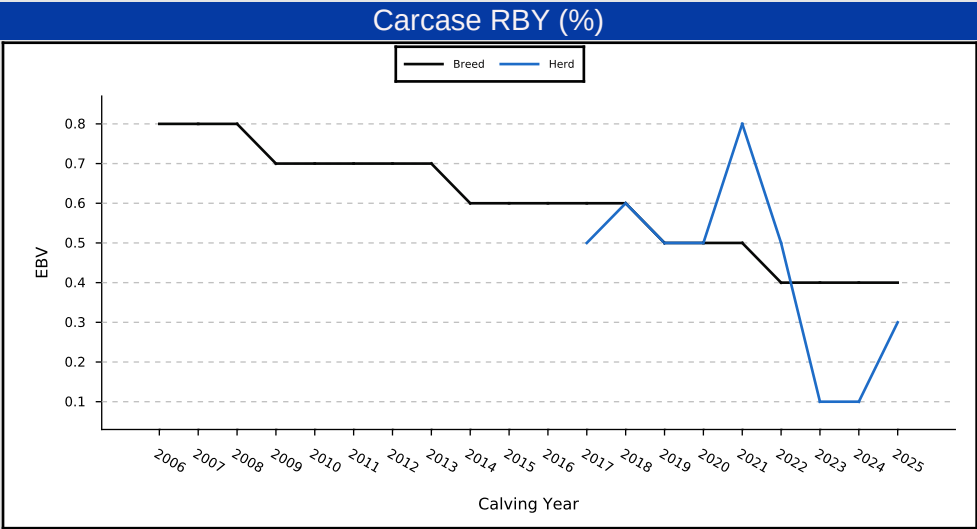
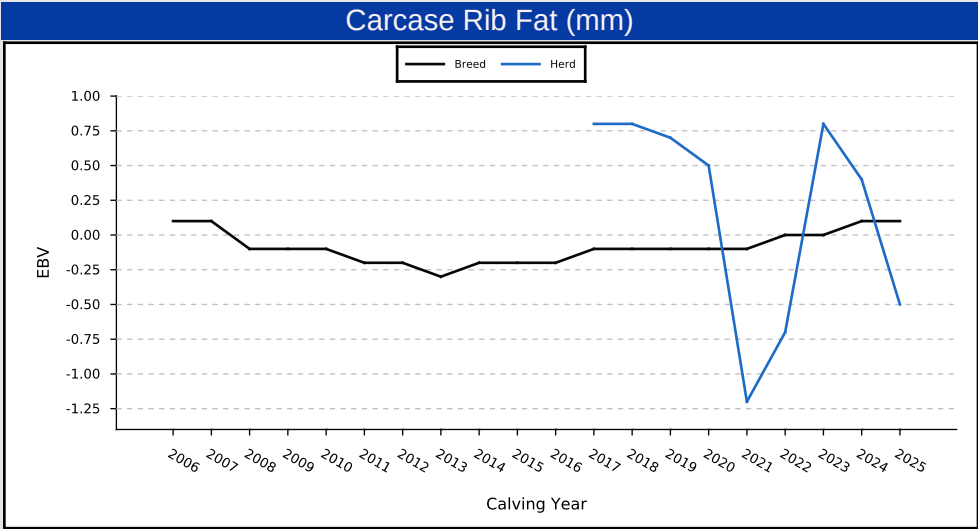
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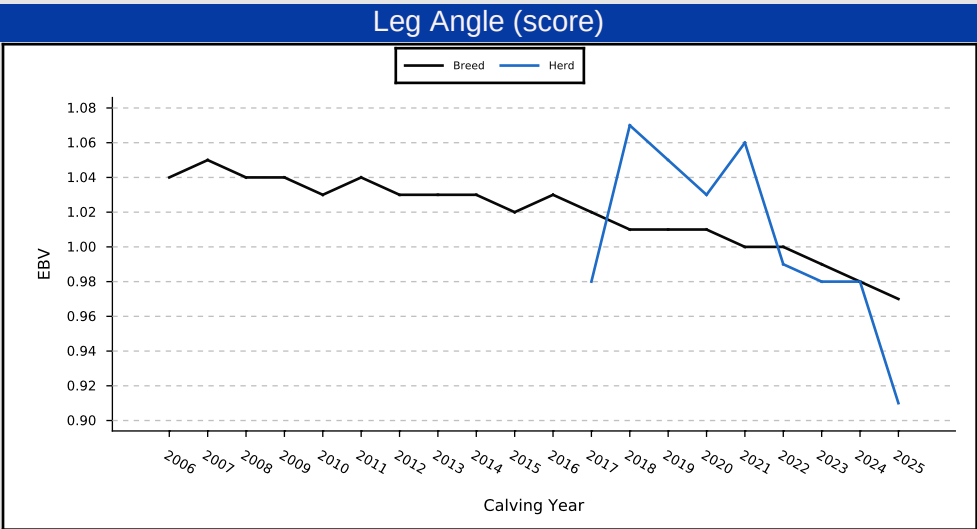
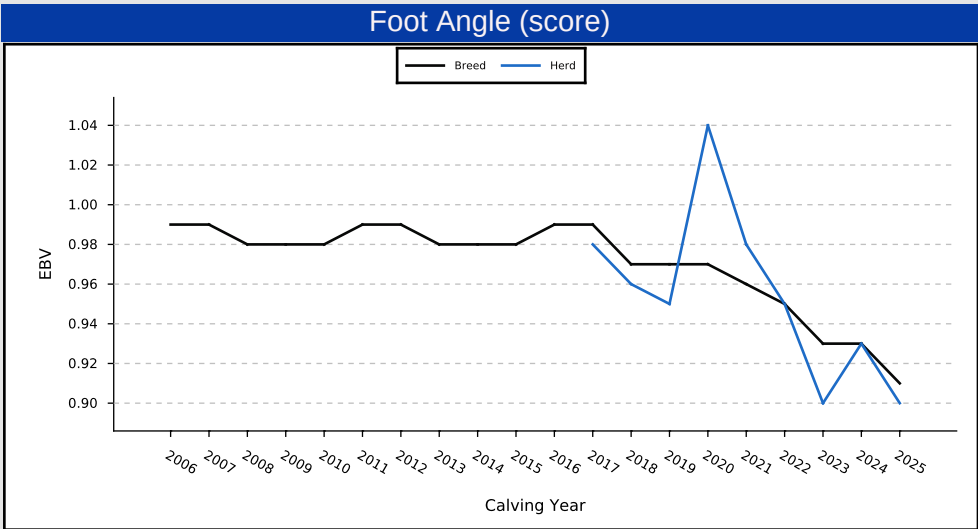
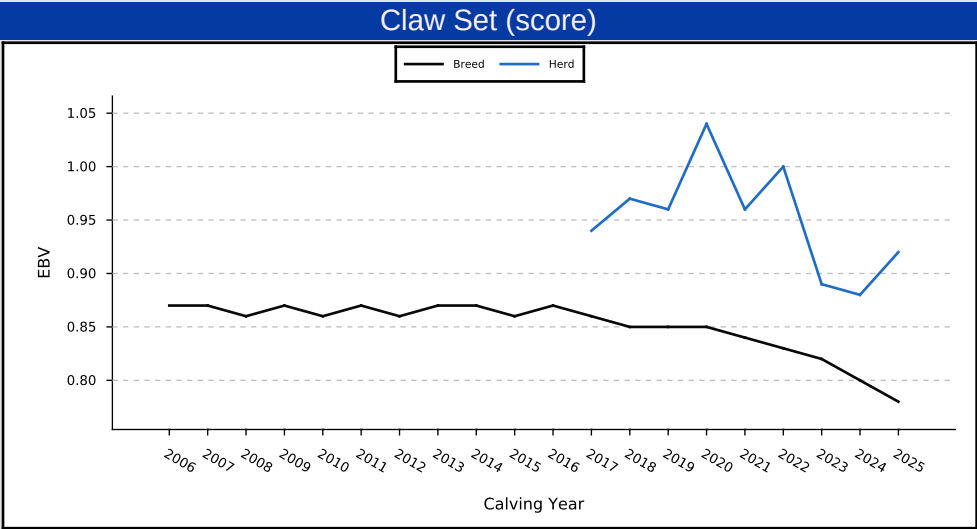
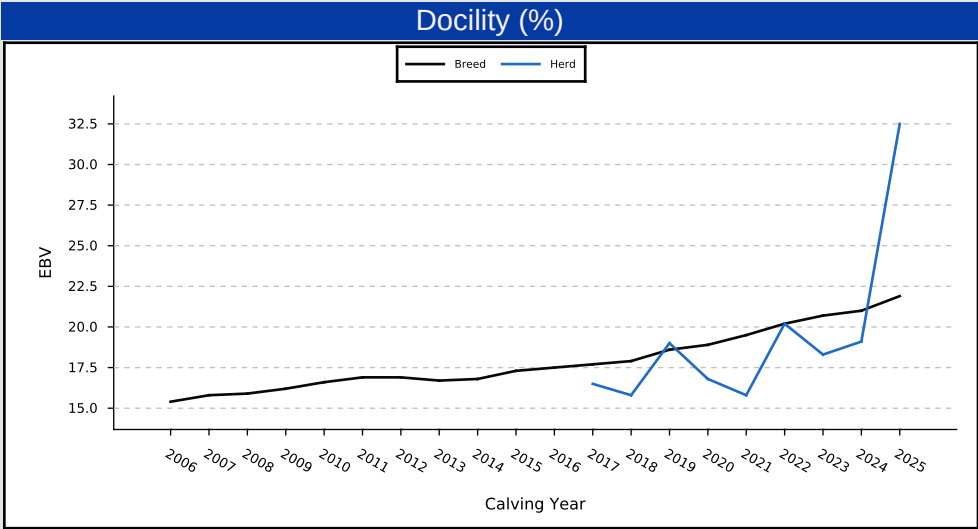
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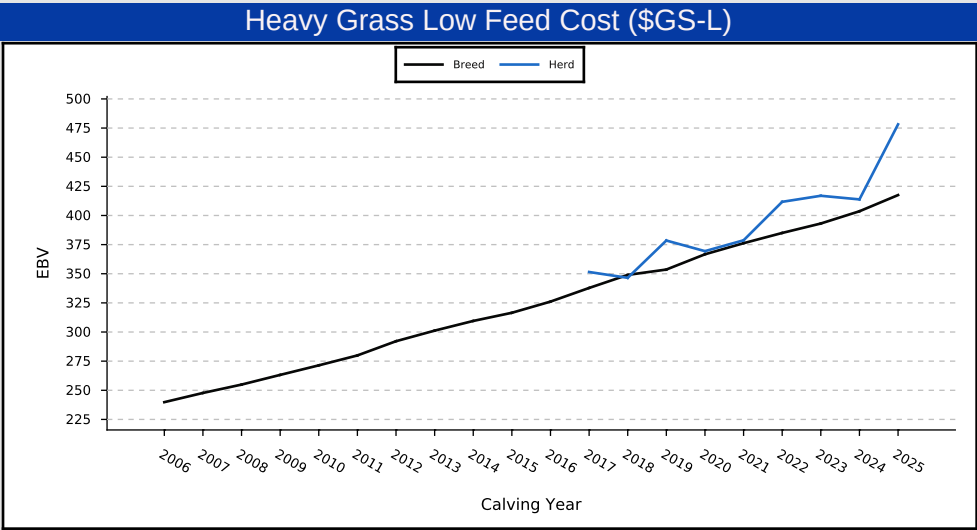
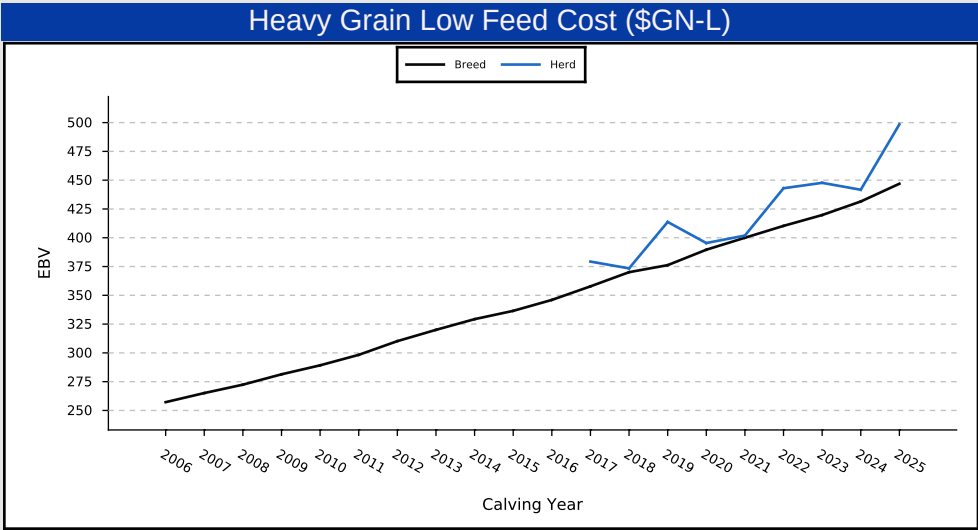
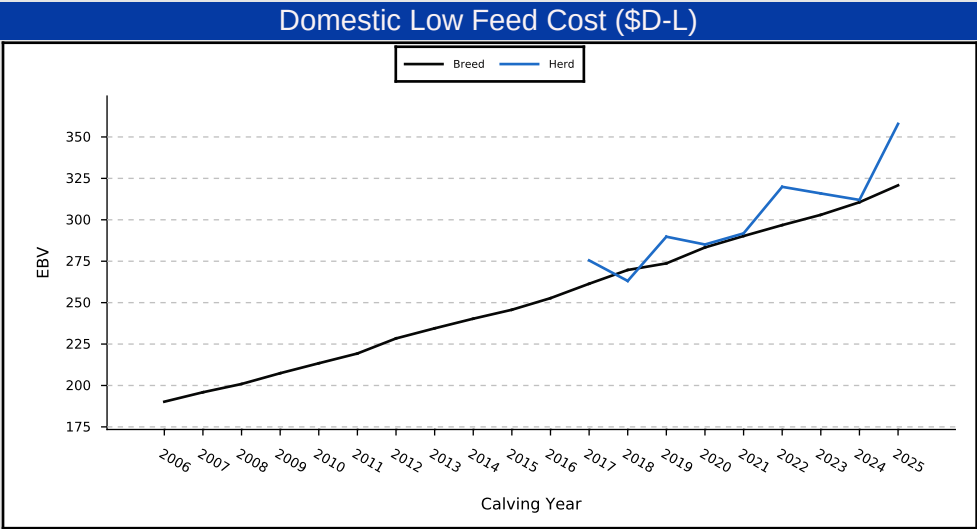
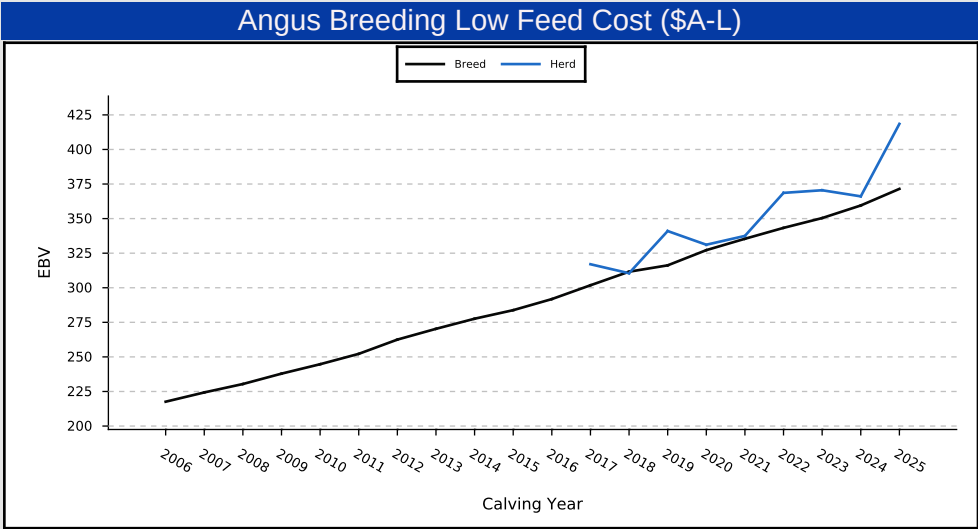
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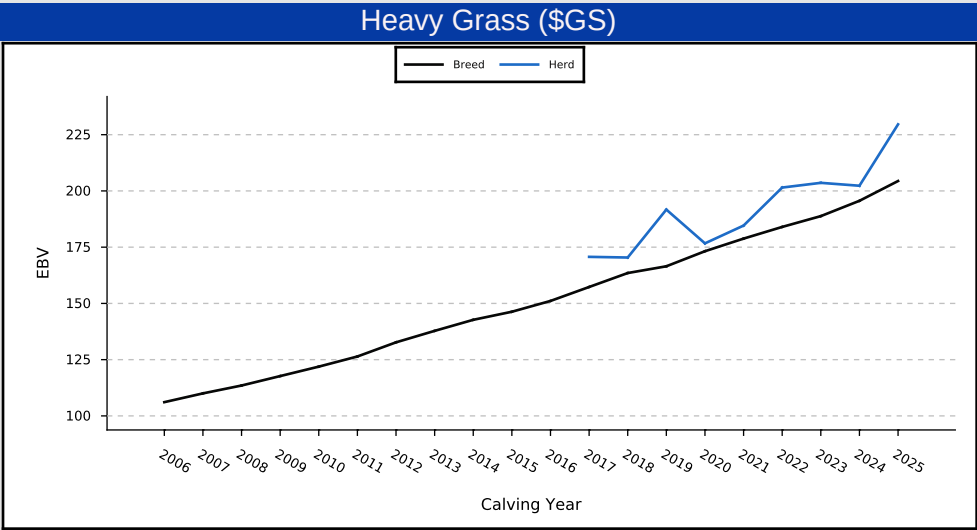
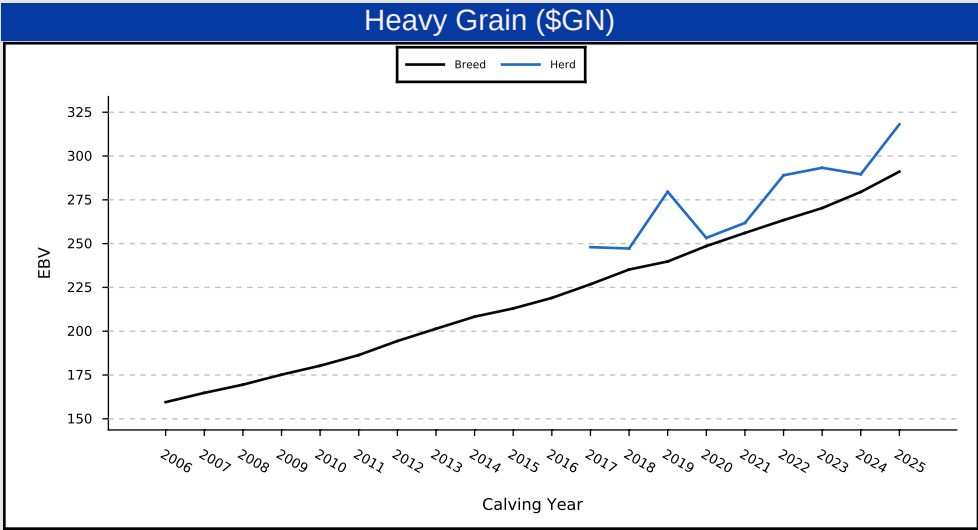
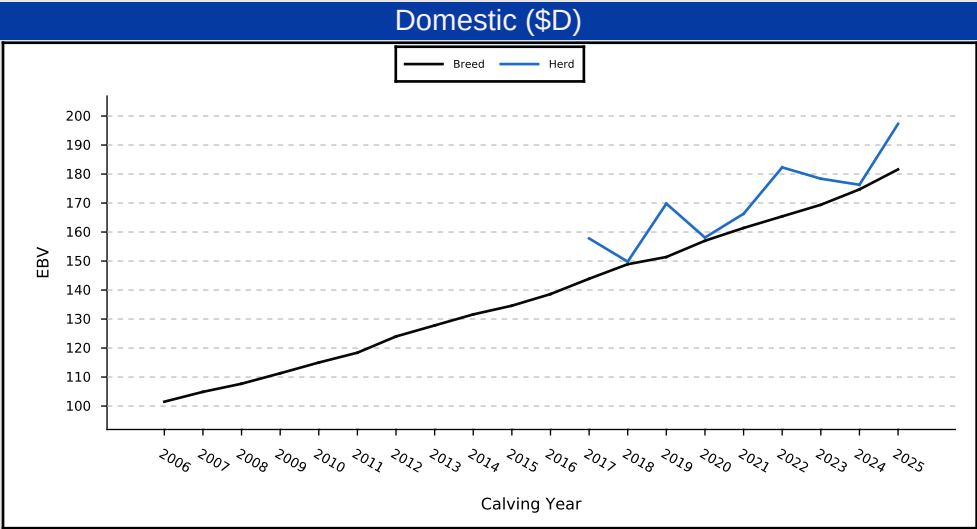
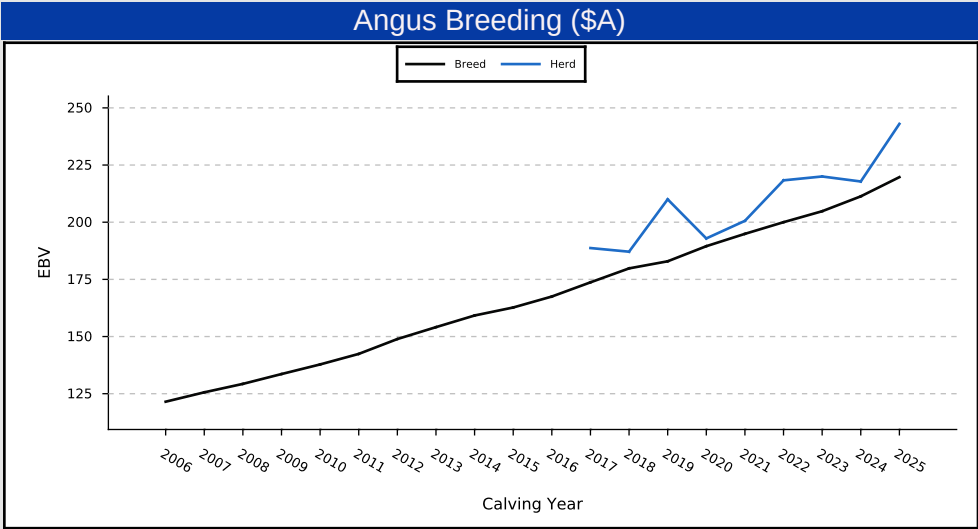
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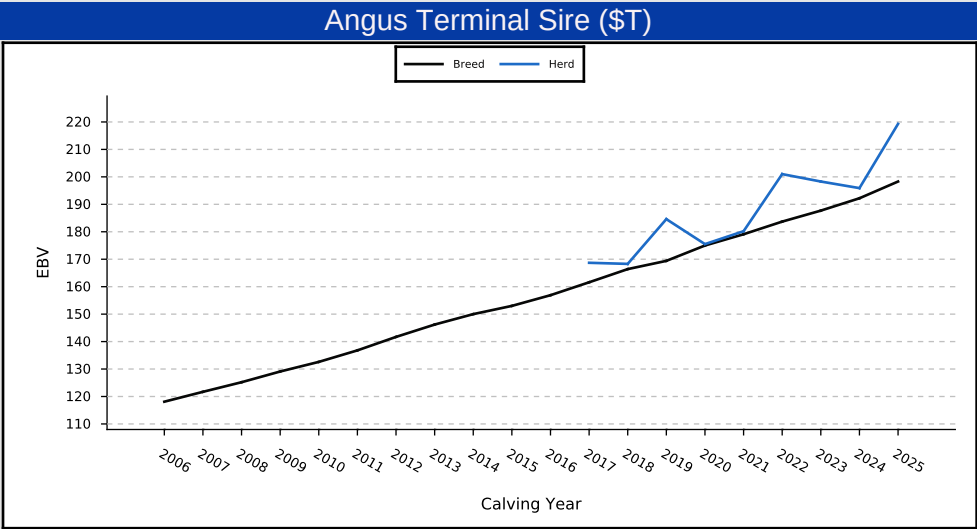
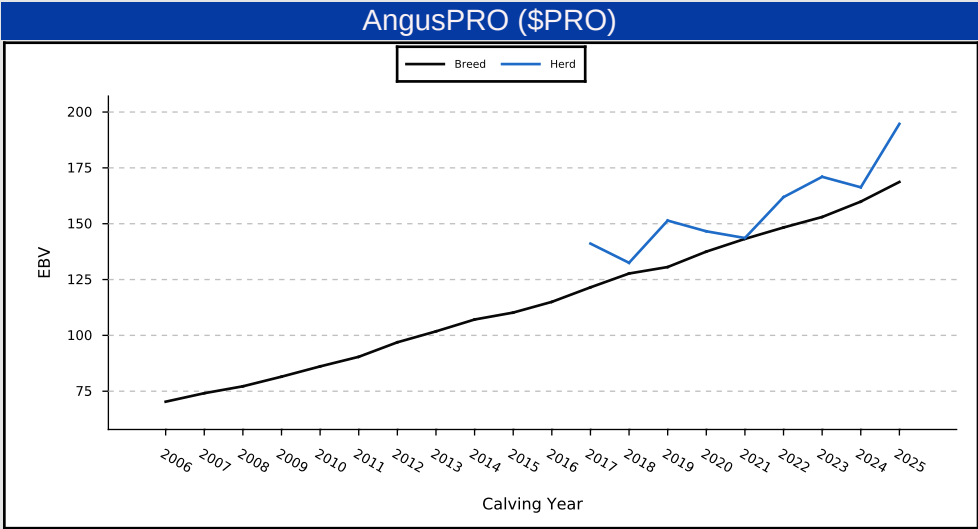
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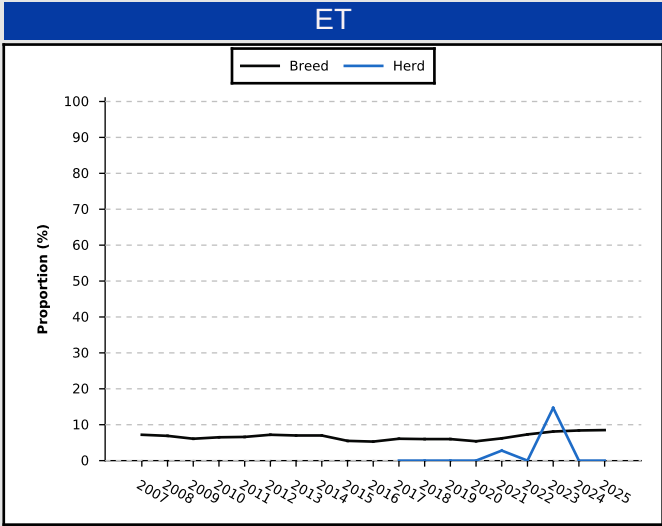
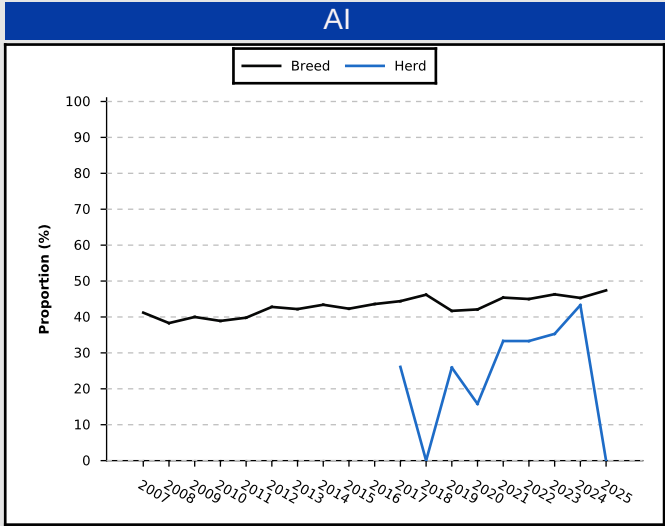
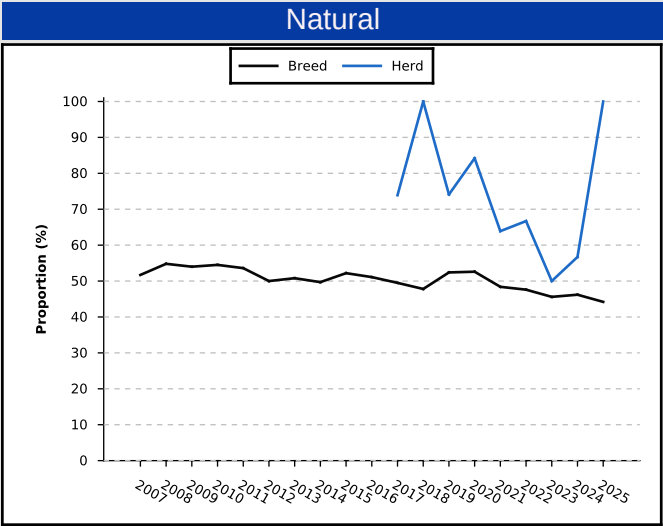
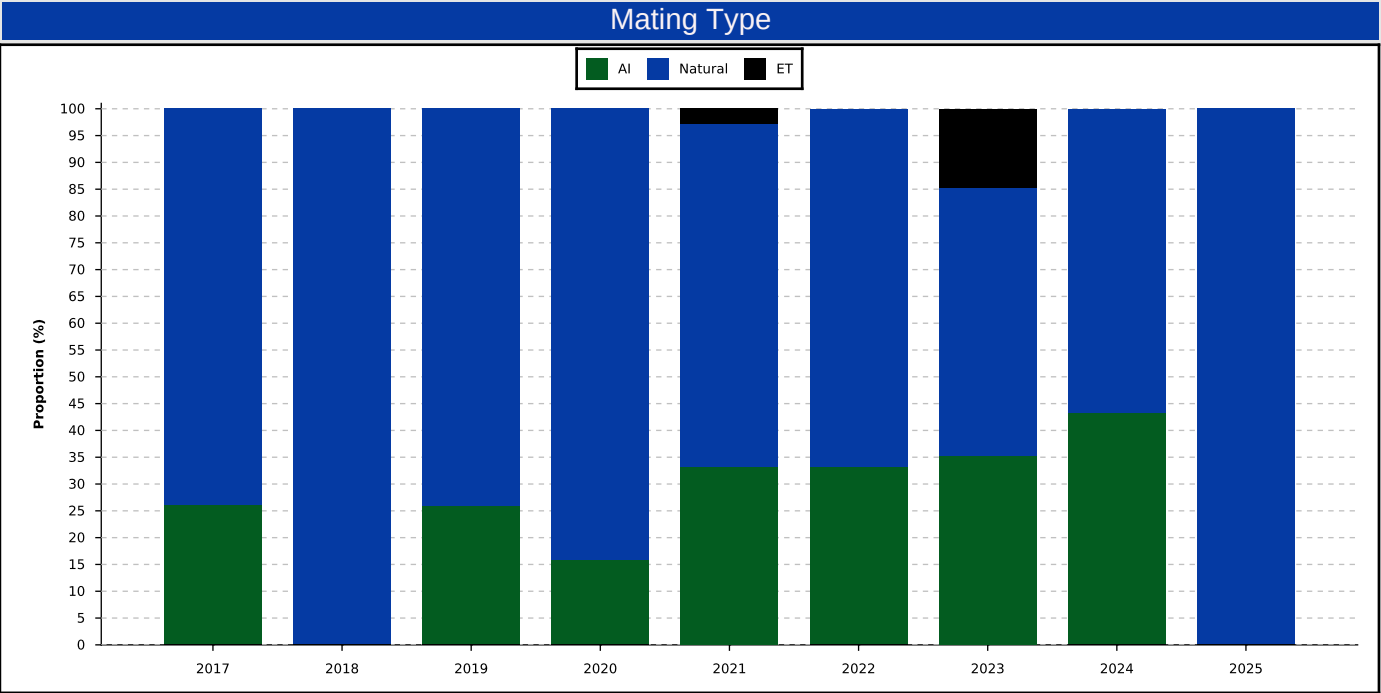


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This report assesses the utilisation of reproductive technologies within your seedstock enterprise by summarising the number of animals born in your herd in each year that have been bred by artificial insemination and embryo transfer. Equivalent statistics are provided for animals born in other Angus seedstock enterprises.

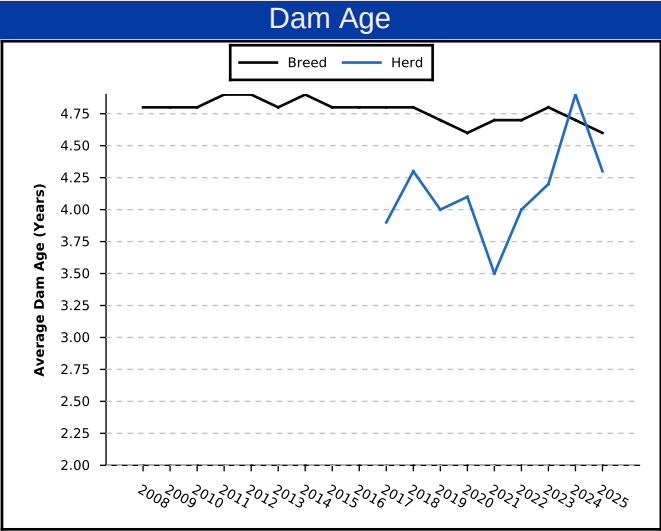
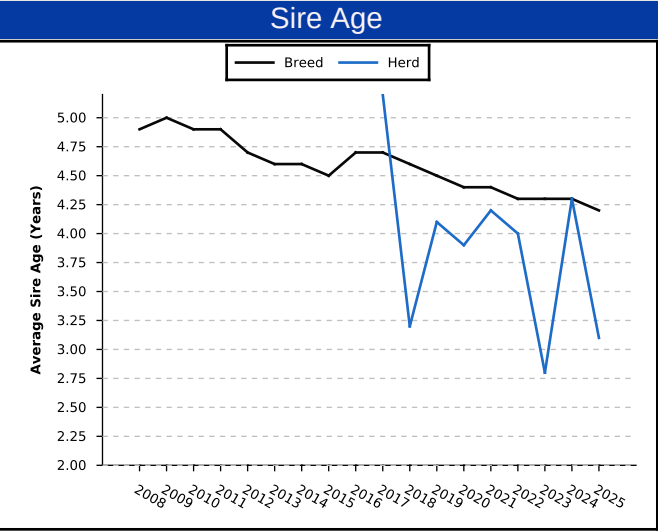
Calving Year	Animals	Mating Type		
		Natural	AI	ET
2007	0	0	0	0
2008	0	0	0	0
2009	0	0	0	0
2010	0	0	0	0
2011	0	0	0	0
2012	0	0	0	0
2013	0	0	0	0
2014	0	0	0	0
2015	0	0	0	0
2016	0	0	0	0
2017	23	17	6	0
2018	21	21	0	0
2019	27	20	7	0
2020	19	16	3	0
2021	36	23	12	1
2022	36	24	12	0
2023	34	17	12	5
2024	30	17	13	0
2025	20	20	0	0



Generation Length
Average Sire and Dam Age By Year

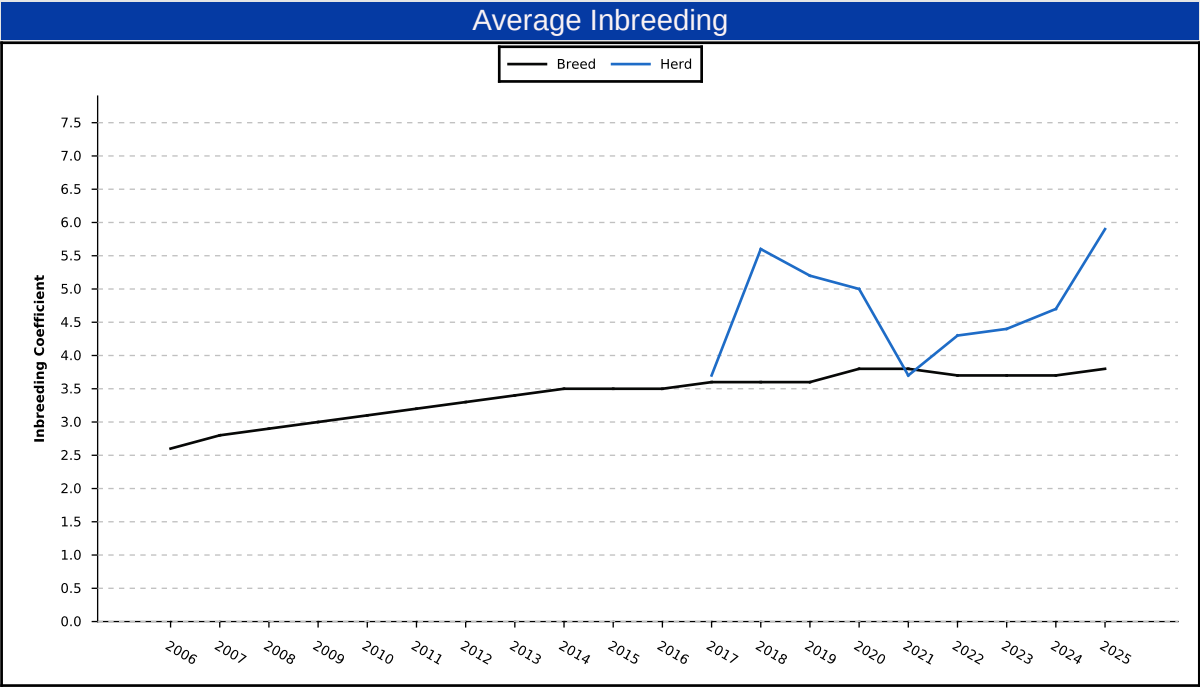
This report summarises the average age of the sires and dams within your seedstock operation over time. The statistics are calculated as the age of the sire and dam when their progeny are born, and are weighted according to the number of progeny that a sire or dam has in a particular calving year. For example, if a sire has 50 calves in a particular calving year, its age will make a greater contribution to the average age statistics than a sire with 5 calves. Equivalent statistics are provided for animals born in other Angus seedstock enterprises.

Calving Year	Animals	Sire Age (Years)				Dam Age (Years)			
		All	Natural	AI	ET	All	Natural	AI	ET
2008	0	-	-	-	-	-	-	-	-
2009	0	-	-	-	-	-	-	-	-
2010	0	-	-	-	-	-	-	-	-
2011	0	-	-	-	-	-	-	-	-
2012	0	-	-	-	-	-	-	-	-
2013	0	-	-	-	-	-	-	-	-
2014	0	-	-	-	-	-	-	-	-
2015	0	-	-	-	-	-	-	-	-
2016	0	-	-	-	-	-	-	-	-
2017	23	5.2	4.0	8.1	-	3.9	3.5	5.0	-
2018	21	3.2	3.2	-	-	4.3	4.3	-	-
2019	27	4.1	4.1	4.0	-	4.0	4.3	3.2	-
2020	19	3.9	3.9	4.0	-	4.1	3.5	7.2	-
2021	35	4.2	3.6	5.3	6.1	3.5	4.0	2.1	6.4
2022	36	4.0	3.2	5.5	-	4.0	4.3	3.5	-
2023	29	2.8	2.4	3.2	3.5	4.2	3.2	5.7	5.6
2024	30	4.3	3.3	5.6	-	4.9	5.2	4.6	-
2025	20	3.1	3.1	-	-	4.3	4.3	-	-

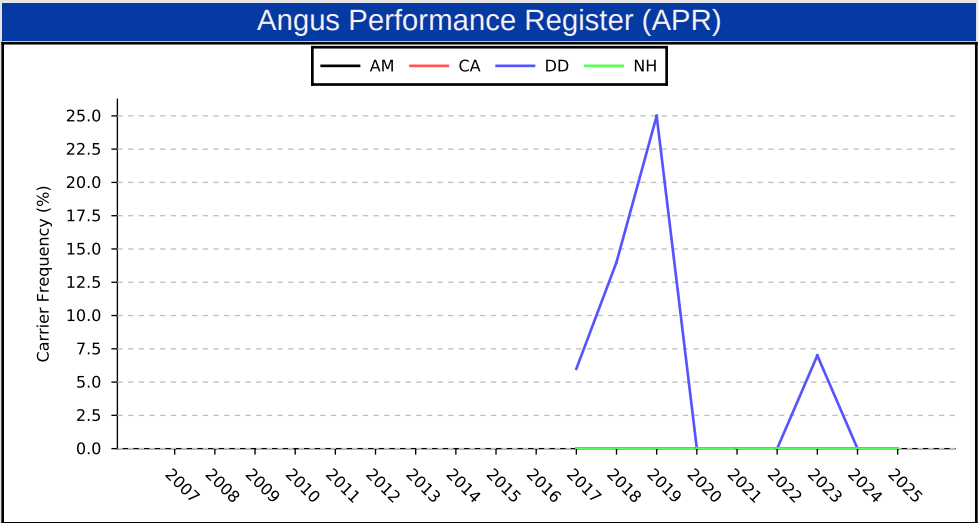
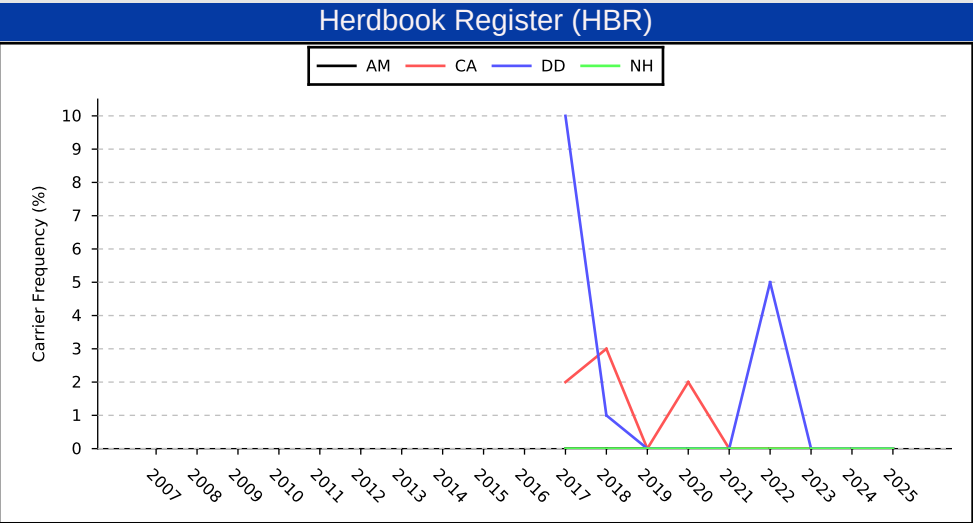
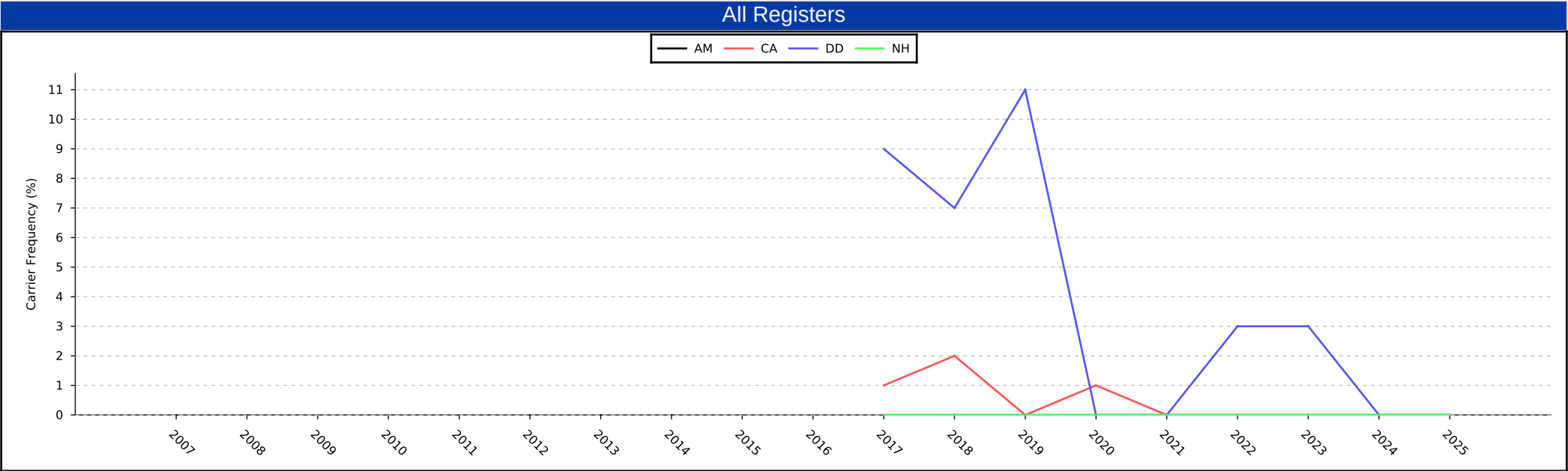


This report assesses the genetic diversity within your seedstock enterprise by summarising the average inbreeding co-efficient of animals born in your herd in each year. Equivalent statistics are provided for animals born in other Angus seedstock enterprises, enabling not only the change in genetic diversity that has occurred within your seedstock enterprise to be assessed in isolation, but also enabling the benchmarking of genetic diversity in your seedstock enterprise with the genetic diversity in the Angus breed as a whole.

Calving Year	Animals	Inbreeding Coefficient (%)	
		Herd	Breed
2006	0	-	2.6
2007	0	-	2.8
2008	0	-	2.9
2009	0	-	3.0
2010	0	-	3.1
2011	0	-	3.2
2012	0	-	3.3
2013	0	-	3.4
2014	0	-	3.5
2015	0	-	3.5
2016	0	-	3.5
2017	23	3.7	3.6
2018	21	5.6	3.6
2019	27	5.2	3.6
2020	19	5.0	3.8
2021	35	3.7	3.8
2022	36	4.3	3.7
2023	29	4.4	3.7
2024	30	4.7	3.7
2025	20	5.9	3.8



This report assesses the frequency of carriers for recessive genetic conditions within your seedstock enterprise over time. The statistics are calculated based on the results of the gene probability analyses conducted by Angus Australia.



This report provides the average EBVs for all animals born in your herd over time.

		Estimated Breeding Values																																	
		Calv-Ease		Birth		Growth			Maternal			Fert		Carcase					Feed Temp		Structural			Selection Index											
Year	Count	Dir	Dtrs	GL	BW	200	400	600	Mwt	MBC	MCH	Milk	SS	DC	CW	EMA	RIB	P8	RBV	IMF	NFI-F	DOC	Claw	Angle	Leg	\$A	\$D	\$GN	\$GS	\$A-L	\$D-L	\$GN-L	\$GS-L	\$PRO	\$T
2006	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2011	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2013	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	23	+3.1	+1.2	-4.4	+3.0	+44	+79	+100	+85	+0.41	+8.1	+15	+1.7	-5.3	+57	+5.8	+0.8	+0.8	+0.5	+2.3	+0.12	+17	+0.94	+0.98	+0.98	+189	+158	+248	+171	+317	+276	+379	+352	+141	+169
2018	21	+2.5	+1.6	-2.0	+3.5	+43	+77	+102	+82	+0.21	+8.4	+19	+1.7	-4.6	+65	+8.6	+0.8	+1.4	+0.6	+2.0	+0.00	+16	+0.97	+0.96	+1.07	+187	+150	+247	+170	+311	+263	+373	+347	+133	+168
2019	27	+3.1	+1.0	-2.0	+3.9	+49	+85	+110	+85	+0.26	+8.9	+20	+1.6	-4.8	+70	+8.9	+0.7	+1.5	+0.5	+2.1	+0.08	+19	+0.96	+0.95	+1.05	+210	+170	+280	+192	+341	+290	+414	+379	+151	+185
2020	19	+5.2	+3.2	-4.8	+3.0	+45	+82	+107	+90	+0.25	+8.6	+16	+1.7	-4.7	+67	+7.3	+0.5	+1.1	+0.5	+2.0	+0.03	+17	+1.04	+1.04	+1.03	+193	+158	+253	+177	+331	+285	+395	+369	+147	+176
2021	35	+2.0	+1.3	-4.1	+4.1	+50	+90	+118	+96	+0.27	+8.7	+18	+1.8	-4.7	+73	+7.7	-1.2	-1.3	+0.8	+1.9	+0.13	+16	+0.96	+0.98	+1.06	+201	+166	+262	+185	+338	+292	+402	+379	+144	+180
2022	36	+2.2	+1.3	-3.9	+3.9	+56	+101	+129	+106	+0.29	+8.6	+18	+2.3	-4.6	+77	+7.7	-0.7	-0.9	+0.5	+2.2	+0.22	+20	+1.00	+0.95	+0.99	+218	+182	+289	+202	+369	+320	+443	+412	+162	+201
2023	29	+4.3	+1.7	-4.0	+3.5	+54	+94	+122	+101	+0.26	+8.7	+17	+1.9	-5.5	+72	+6.9	+0.8	+0.5	+0.1	+2.8	+0.15	+18	+0.89	+0.90	+0.98	+220	+178	+293	+204	+371	+316	+448	+417	+171	+198
2024	30	+3.5	+1.9	-3.4	+3.3	+53	+95	+125	+100	+0.28	+8.6	+19	+2.0	-5.3	+73	+6.8	+0.4	+0.2	+0.1	+2.7	+0.11	+19	+0.88	+0.93	+0.98	+218	+176	+290	+202	+366	+312	+442	+414	+166	+196
2025	20	+1.6	+6.9	-3.2	+3.8	+62	+110	+148	+126	+0.34	+10.	+18	+2.5	-5.5	+90	+7.7	-0.5	-0.6	+0.3	+2.5	+0.09	+33	+0.92	+0.90	+0.91	+243	+197	+318	+230	+419	+358	+499	+478	+195	+219

Appendix 2

Breed Genetic Trends

This report provides the average EBVs for all animals recorded with Angus Australia over time.

		Estimated Breeding Values																																	
		Calv-Ease		Birth		Growth			Maternal				Fert		Carcase					Feed	Temp	Structural			Selection Index										
Year	Count	Dir	Dtrs	GL	BW	200	400	600	Mwt	MBC	MCH	Milk	SS	DC	CW	EMA	RIB	P8	RBV	IMF	NFI-F	DOC	Claw	Angle	Leg	\$A	\$D	\$GN	\$GS	\$A-L	\$D-L	\$GN-L	\$GS-L	\$PRO	\$T
2006	64693	-0.1	+0.0	-2.3	+4.2	+34	+62	+81	+71	+0.27	+8.1	+13	+1.2	-3.3	+44	+3.2	+0.1	+0.3	+0.8	+1.1	+0.18	+15	+0.87	+0.99	+1.04	+122	+102	+160	+106	+218	+190	+257	+240	+70	+118
2007	62776	-0.2	-0.1	-2.3	+4.3	+35	+64	+83	+74	+0.27	+8.2	+13	+1.3	-3.4	+45	+3.3	+0.1	+0.2	+0.8	+1.1	+0.17	+16	+0.87	+0.99	+1.05	+126	+105	+165	+110	+224	+196	+265	+248	+74	+122
2008	63499	-0.3	-0.1	-2.4	+4.4	+36	+66	+86	+76	+0.28	+8.3	+13	+1.3	-3.4	+47	+3.5	-0.1	+0.0	+0.8	+1.2	+0.16	+16	+0.86	+0.98	+1.04	+129	+108	+170	+114	+230	+201	+272	+255	+77	+125
2009	63176	-0.1	+0.2	-2.5	+4.3	+37	+68	+88	+78	+0.28	+8.3	+14	+1.4	-3.5	+48	+3.5	-0.1	+0.0	+0.7	+1.2	+0.14	+16	+0.87	+0.98	+1.04	+134	+111	+175	+118	+238	+207	+281	+263	+82	+129
2010	63673	-0.1	+0.1	-2.6	+4.4	+38	+70	+90	+80	+0.29	+8.3	+14	+1.5	-3.6	+50	+3.7	-0.1	+0.0	+0.7	+1.3	+0.16	+17	+0.86	+0.98	+1.03	+138	+115	+180	+122	+245	+213	+289	+271	+86	+133
2011	69921	+0.0	+0.2	-2.6	+4.4	+39	+71	+93	+82	+0.29	+8.4	+14	+1.5	-3.6	+51	+4.0	-0.2	-0.1	+0.7	+1.4	+0.15	+17	+0.87	+0.99	+1.04	+142	+118	+186	+126	+252	+219	+298	+280	+90	+137
2012	75263	+0.0	+0.2	-2.8	+4.4	+41	+74	+96	+85	+0.29	+8.4	+14	+1.6	-3.9	+53	+4.3	-0.2	-0.2	+0.7	+1.5	+0.15	+17	+0.86	+0.99	+1.03	+149	+124	+194	+133	+263	+228	+310	+292	+97	+142
2013	77653	+0.0	+0.2	-2.9	+4.4	+42	+75	+98	+87	+0.29	+8.5	+14	+1.6	-4.0	+55	+4.5	-0.3	-0.3	+0.7	+1.6	+0.14	+17	+0.87	+0.98	+1.03	+154	+128	+201	+138	+270	+235	+320	+301	+102	+146
2014	76482	+0.3	+0.3	-3.1	+4.3	+42	+76	+100	+88	+0.30	+8.4	+15	+1.6	-4.1	+56	+4.6	-0.2	-0.2	+0.6	+1.7	+0.15	+17	+0.87	+0.98	+1.03	+159	+132	+208	+143	+278	+240	+329	+310	+107	+150
2015	78292	+0.4	+0.7	-3.2	+4.3	+43	+78	+102	+89	+0.30	+8.4	+15	+1.7	-4.1	+57	+4.8	-0.2	-0.3	+0.6	+1.7	+0.16	+17	+0.86	+0.98	+1.02	+163	+135	+213	+146	+284	+246	+337	+317	+110	+153
2016	78962	+0.5	+0.9	-3.4	+4.3	+44	+80	+105	+91	+0.30	+8.4	+15	+1.8	-4.2	+59	+5.0	-0.2	-0.3	+0.6	+1.7	+0.15	+18	+0.87	+0.99	+1.03	+168	+139	+219	+151	+292	+253	+346	+326	+115	+157
2017	81647	+0.8	+1.1	-3.6	+4.3	+45	+82	+107	+93	+0.30	+8.3	+16	+1.8	-4.4	+60	+5.3	-0.1	-0.3	+0.6	+1.8	+0.16	+18	+0.86	+0.99	+1.02	+174	+144	+227	+157	+302	+261	+358	+338	+122	+162
2018	82785	+1.1	+1.6	-3.7	+4.2	+47	+84	+110	+95	+0.31	+8.3	+16	+1.9	-4.5	+62	+5.4	-0.1	-0.3	+0.6	+1.9	+0.17	+18	+0.85	+0.97	+1.01	+180	+149	+235	+164	+312	+270	+370	+349	+128	+166
2019	82920	+1.3	+1.9	-3.8	+4.2	+47	+85	+111	+96	+0.31	+8.4	+16	+1.9	-4.5	+62	+5.6	-0.1	-0.3	+0.5	+2.0	+0.18	+19	+0.85	+0.97	+1.01	+183	+151	+240	+167	+316	+274	+376	+354	+131	+169
2020	81417	+1.5	+2.0	-4.0	+4.1	+49	+88	+114	+99	+0.31	+8.3	+16	+2.0	-4.7	+64	+5.9	-0.1	-0.4	+0.5	+2.1	+0.18	+19	+0.85	+0.97	+1.01	+190	+157	+249	+173	+327	+283	+390	+367	+138	+175
2021	93055	+1.7	+2.4	-4.2	+4.0	+49	+89	+116	+99	+0.32	+8.2	+17	+2.1	-4.8	+65	+6.1	-0.1	-0.3	+0.5	+2.2	+0.21	+20	+0.84	+0.96	+1.00	+195	+161	+256	+179	+335	+290	+400	+376	+143	+179
2022	10119	+1.9	+2.7	-4.3	+4.0	+50	+91	+118	+101	+0.32	+8.2	+17	+2.1	-4.8	+67	+6.3	+0.0	-0.3	+0.4	+2.4	+0.22	+20	+0.83	+0.95	+1.00	+200	+165	+263	+184	+343	+297	+410	+385	+148	+184
2023	10321	+2.1	+2.9	-4.5	+3.9	+51	+93	+120	+102	+0.32	+8.1	+17	+2.2	-4.9	+68	+6.5	+0.0	-0.3	+0.4	+2.4	+0.24	+21	+0.82	+0.93	+0.99	+205	+169	+270	+189	+350	+303	+420	+393	+153	+188
2024	10228	+2.4	+3.2	-4.6	+3.8	+52	+94	+121	+102	+0.32	+8.0	+18	+2.2	-5.0	+69	+6.9	+0.1	-0.2	+0.4	+2.6	+0.24	+21	+0.80	+0.93	+0.98	+211	+175	+280	+196	+360	+311	+432	+404	+160	+192
2025	91004	+2.7	+3.4	-4.8	+3.8	+53	+96	+123	+104	+0.33	+7.8	+18	+2.3	-5.2	+70	+7.4	+0.1	-0.2	+0.4	+2.8	+0.25	+22	+0.78	+0.91	+0.97	+220	+182	+291	+204	+372	+321	+447	+418	+169	+198

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