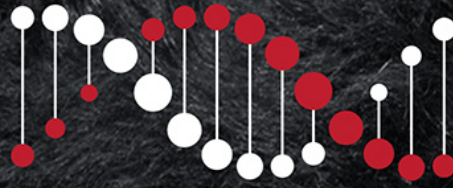


TACE



TransTasman Angus Cattle Evaluation

GENETIC BENCHMARKING REPORT

Angus Australia

AUGUST 2025

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Genetic Progress Summary

2019 to 2024

Date: July 29, 2025

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This report assesses the change in the average EBVs of Angus seedstock animals across the nominated five year period.

Trait	Units	Breed	
		Change	Av. Change / Yr
Calving Ease Direct	%	+1.3	+0.3
Calving Ease Daughters	%	+1.4	+0.3
Gestation Length	days	-0.9	-0.2
Birth Weight	kg	-0.4	-0.1
200 Day Growth	kg	+4.9	+1.0
400 Day Weight	kg	+9.1	+1.8
600 Day Weight	kg	+10.6	+2.1
Mature Cow Weight	kg	+6.6	+1.3
Mature Body Condition	score	+0.0	+0.0
Mature Cow Height	cm	-0.3	-0.1
Milk	kg	+1.4	+0.3
Scrotal Size	cm	+0.4	+0.1
Days to Calving	days	-0.5	-0.1
Carcase Weight	kg	+6.7	+1.3
Carcase EMA	cm.sq	+1.3	+0.3
Carcase Rib Fat	mm	+0.2	+0.0
Carcase Rump Fat	mm	+0.2	+0.0
Retail Beef Yield	%	-0.2	+0.0
Carcase IMF	%	+0.7	+0.1
Docility	%	+2.7	+0.5
NFI-F	%	+0.1	+0.0
Claw Set	score	+0.0	+0.0
Foot Angle	score	-0.1	+0.0
Leg Angle	score	+0.0	+0.0
Angus Breeding (\$A)	\$	+29.4	+5.9
Domestic (\$D)	\$	+23.8	+4.8
Heavy Grain (\$GN)	\$	+41.0	+8.2
Heavy Grass(\$GS)	\$	+30.1	+6.0
Angus Breeding Low Feed Cost (\$A-L)	\$	+44.7	+8.9
Domestic Low Feed Cost (\$D-L)	\$	+38.0	+7.6
Heavy Grain Low Feed Cost (\$GN-L)	\$	+57.3	+11.5
Heavy Grass Low Feed Cost (\$GS-L)	\$	+51.5	+10.3
AngusPRO (\$PRO)	\$	+30.6	+6.1
Angus Terminal Sire (\$T)	\$	+23.8	+4.8

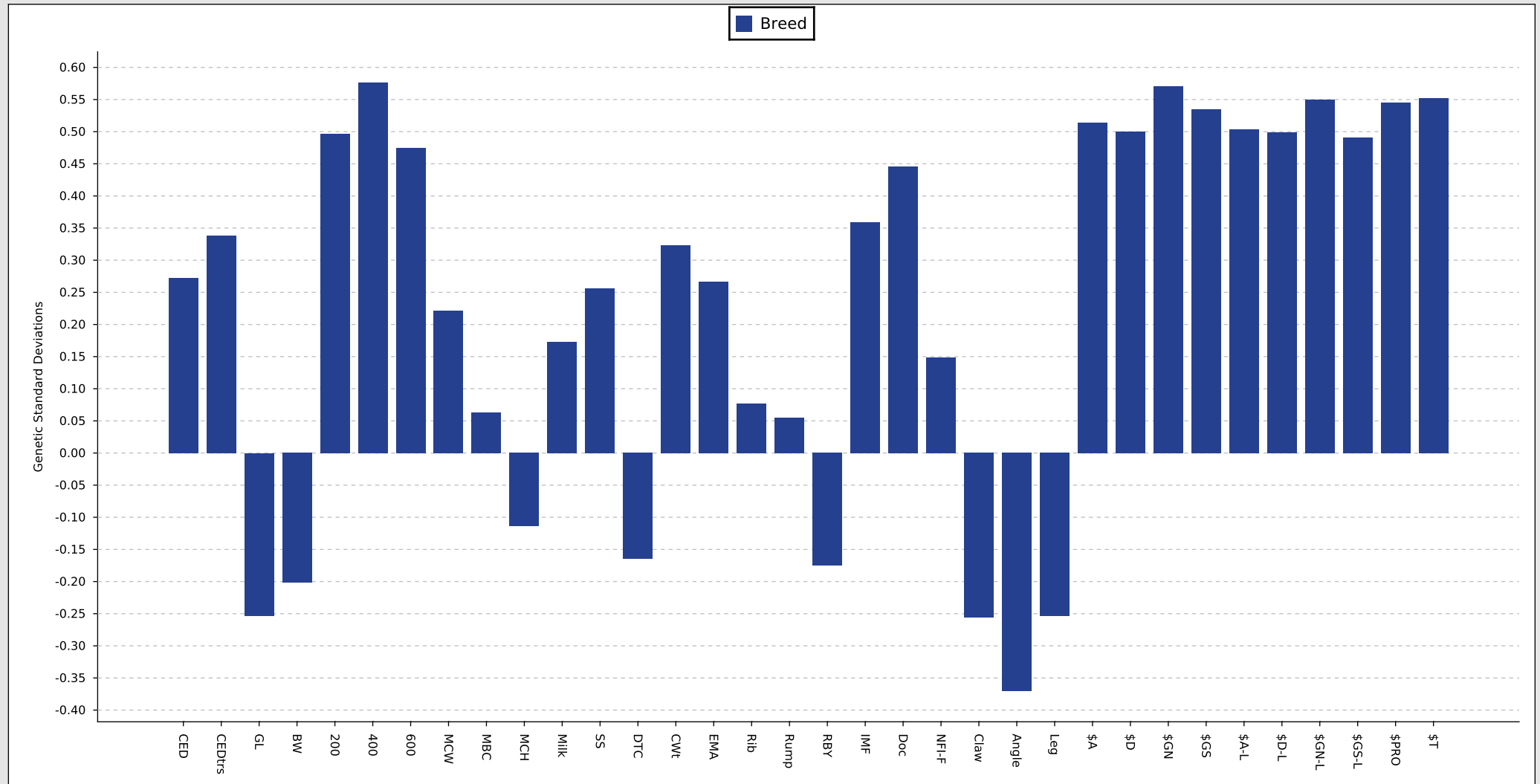
Genetic Progress Summary

Date: July 29, 2025

Relative Change in Each Trait - 2019 to 2024

Page: 2

This report assesses the change in the average EBVs of Angus seedstock animals 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.



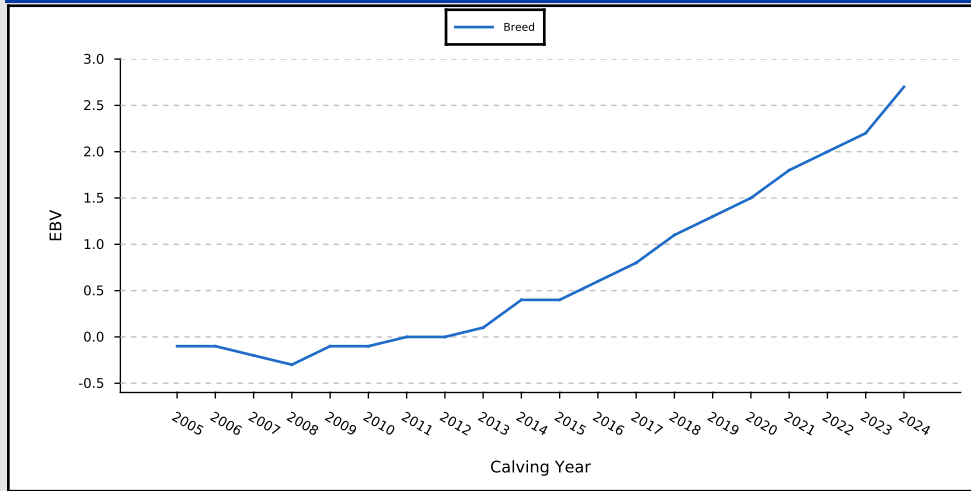
Genetic Progress By Trait

Date: July 29, 2025

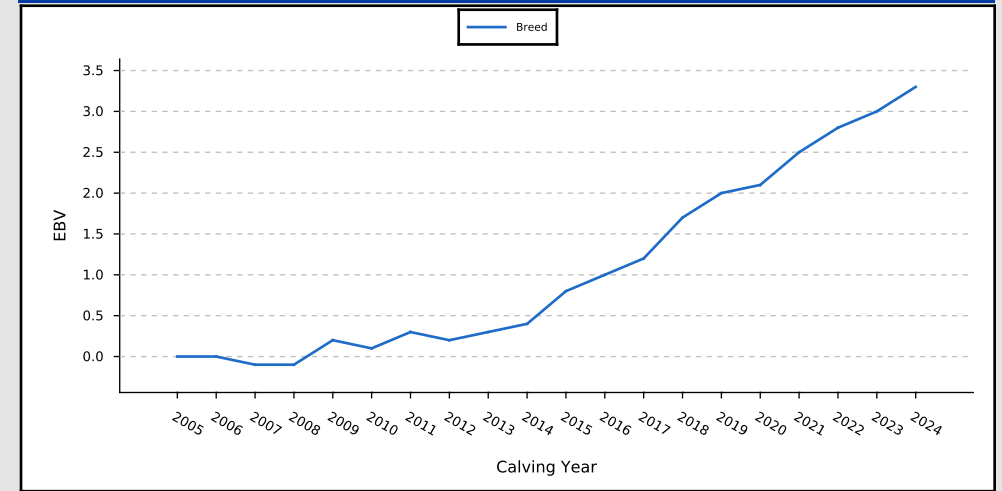
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The reports below assess the change in the average EBVs of Angus seedstock animals born in each year for each respective trait.

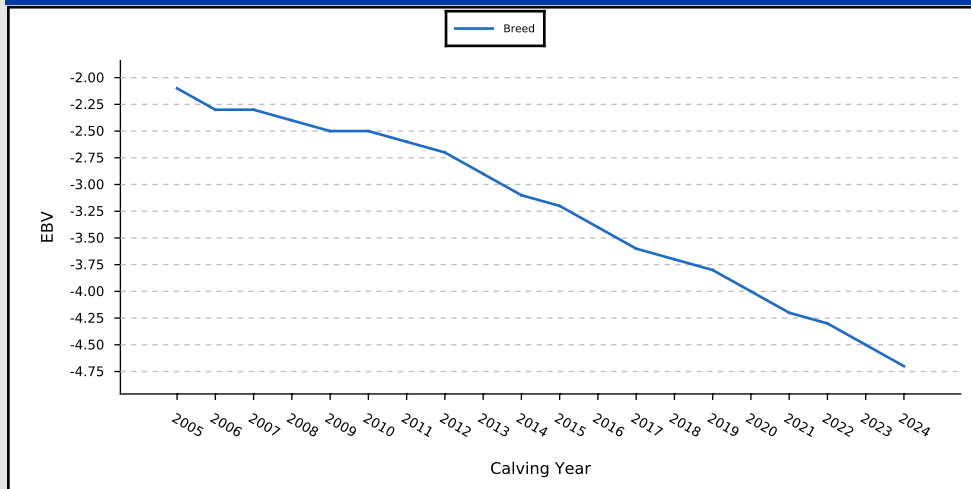
Calving Ease Direct (%)



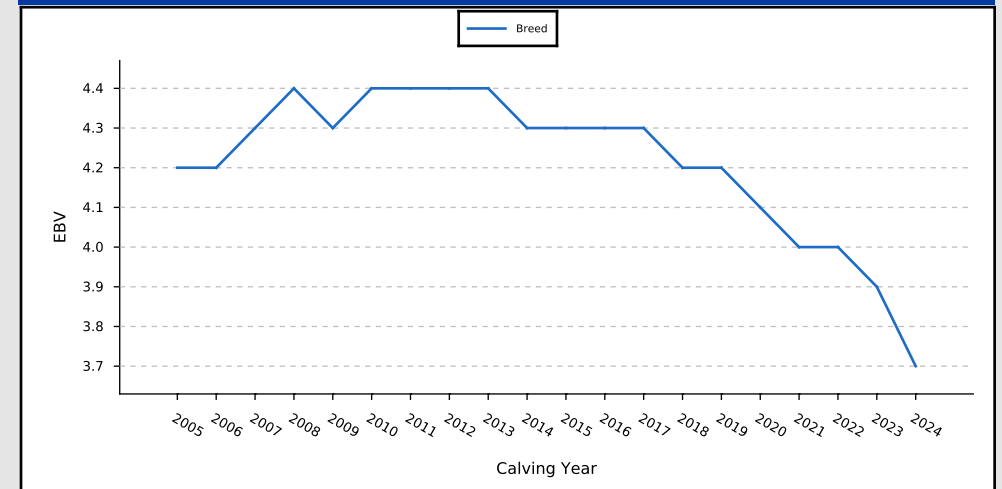
Calving Ease Daughters (%)



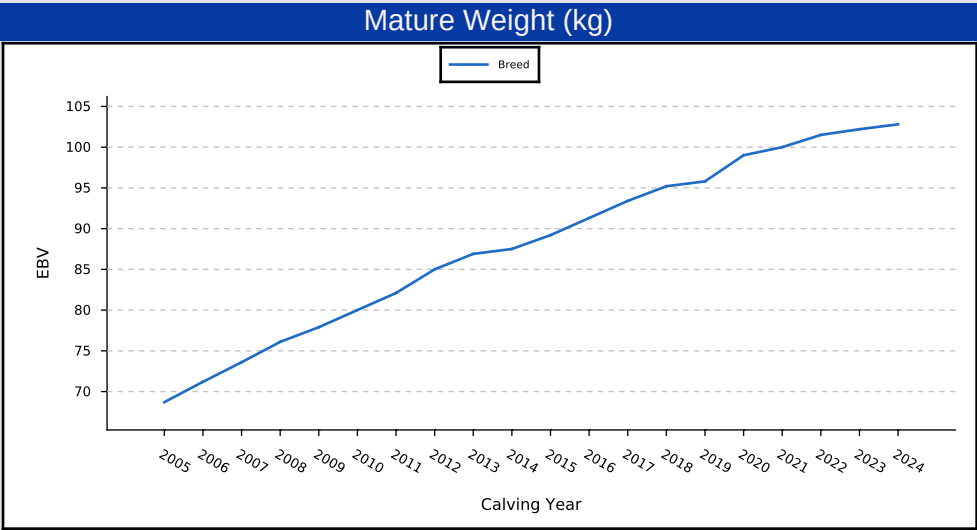
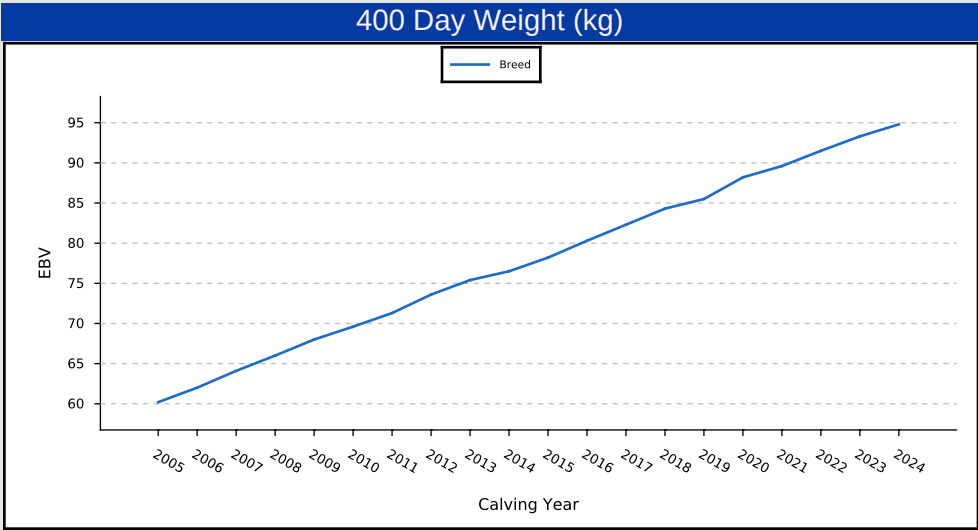
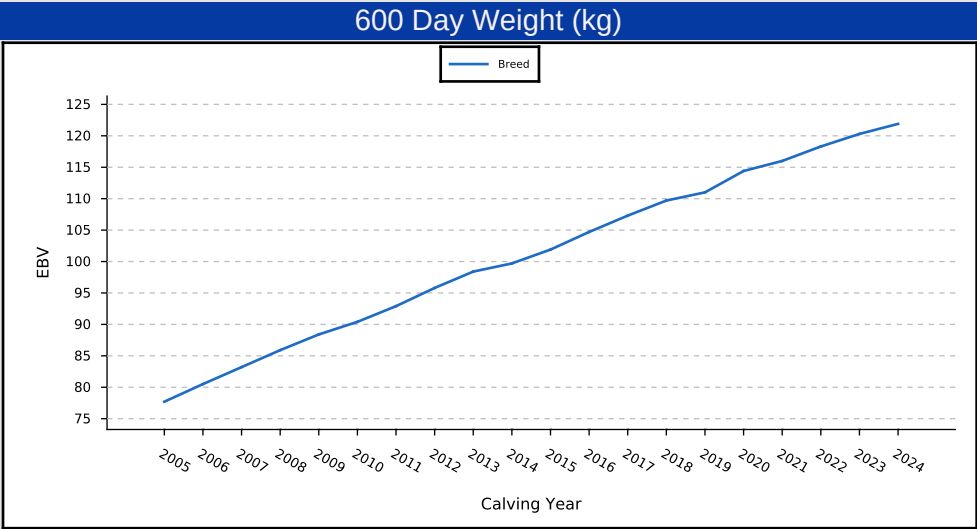
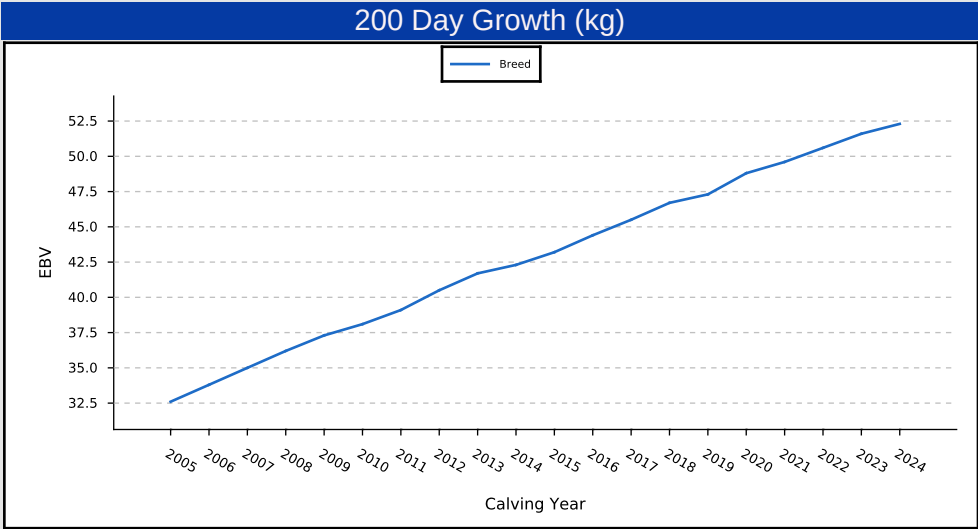
Gestation Length (days)



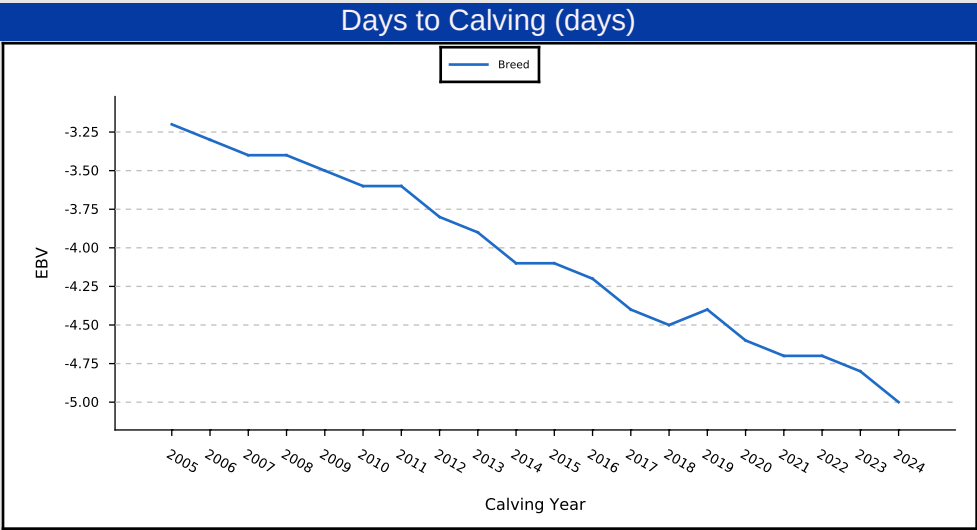
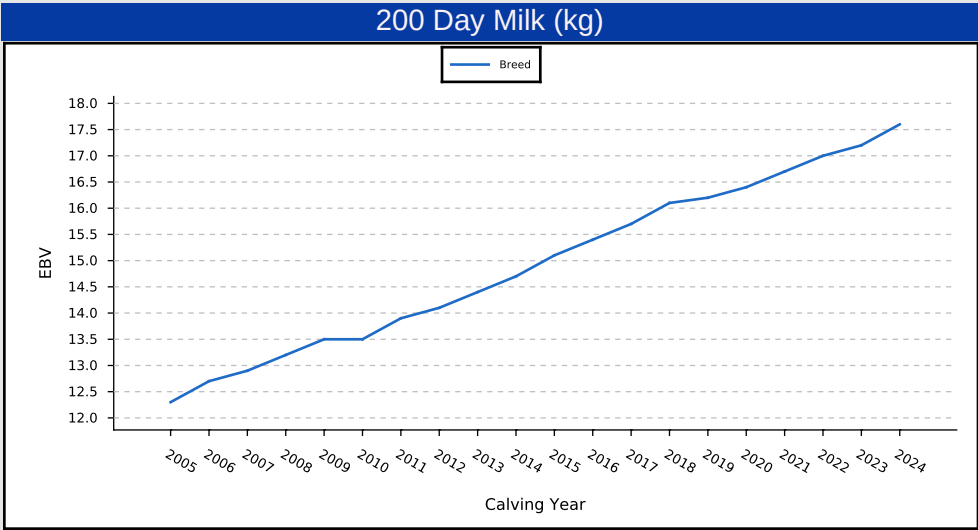
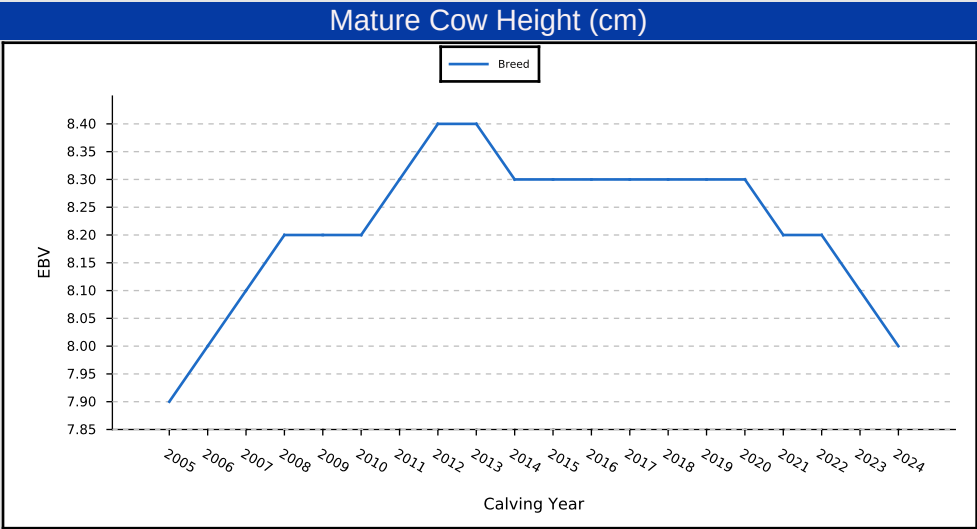
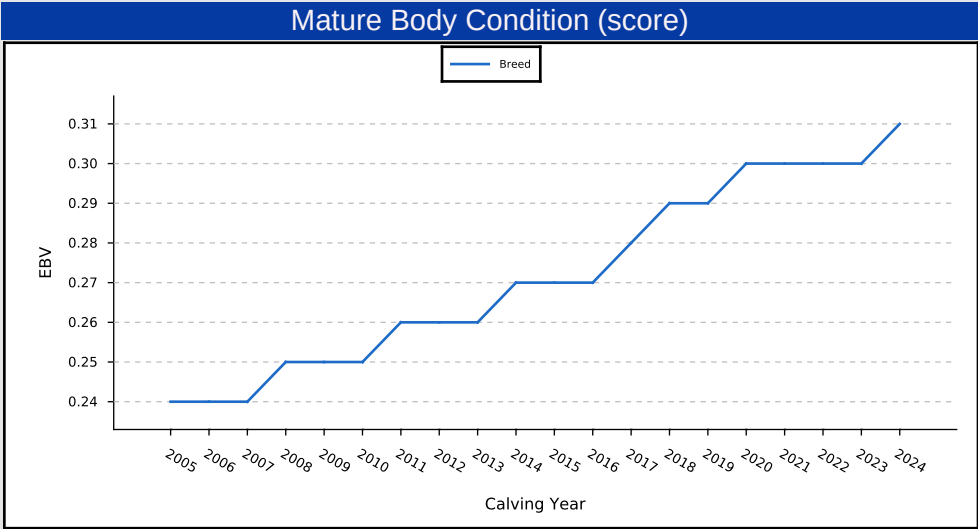
Birth Weight (kg)



The reports below assess the change in the average EBVs of Angus seedstock animals born in each year for each respective trait.



The reports below assess the change in the average EBVs of Angus seedstock animals born in each year for each respective trait.



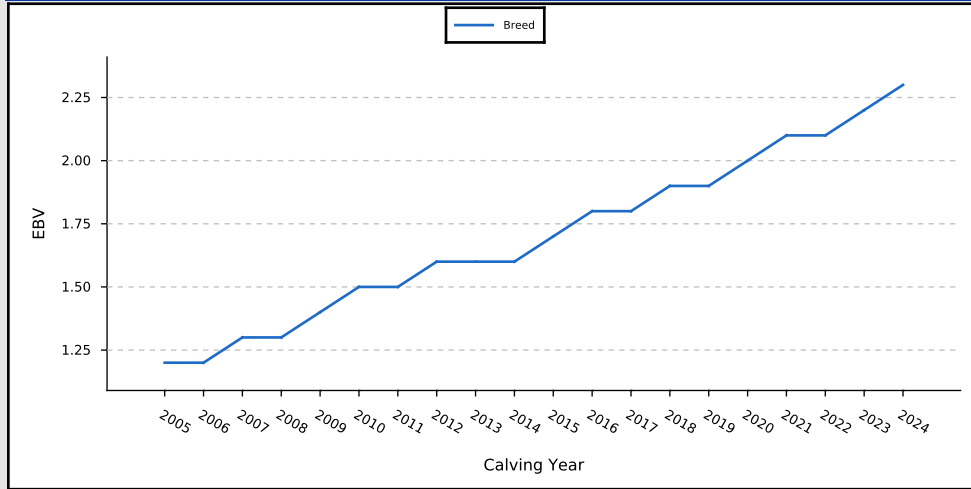
Genetic Progress By Trait

Date: July 29, 2025

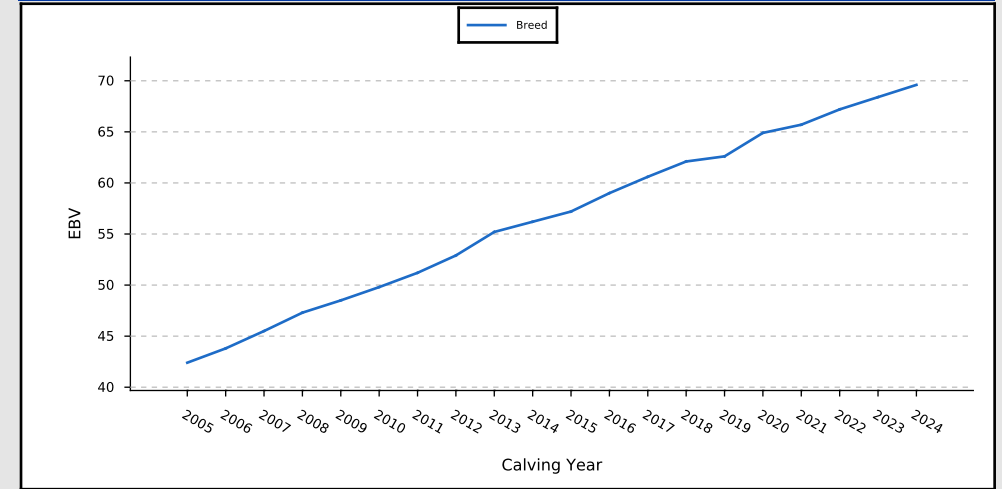
Page: 6

The reports below assess the change in the average EBVs of Angus seedstock animals born in each year for each respective trait.

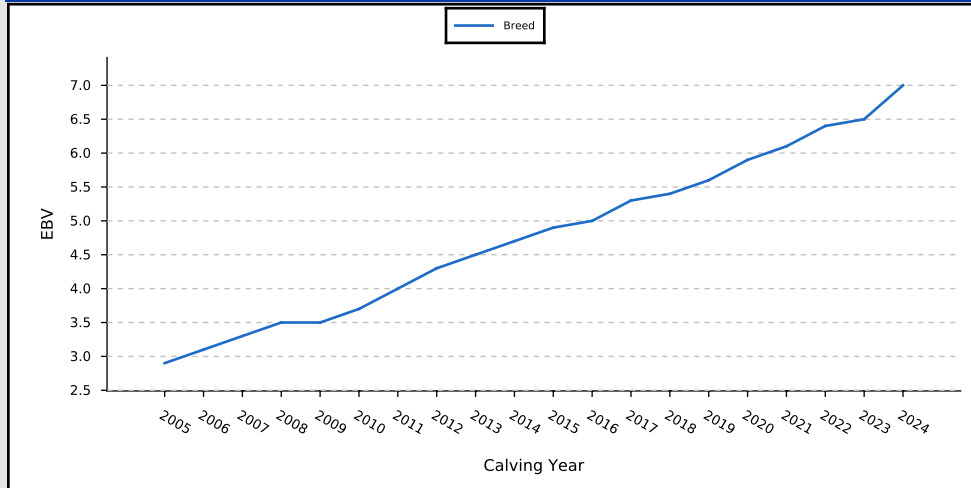
Scrotal Size (cm)



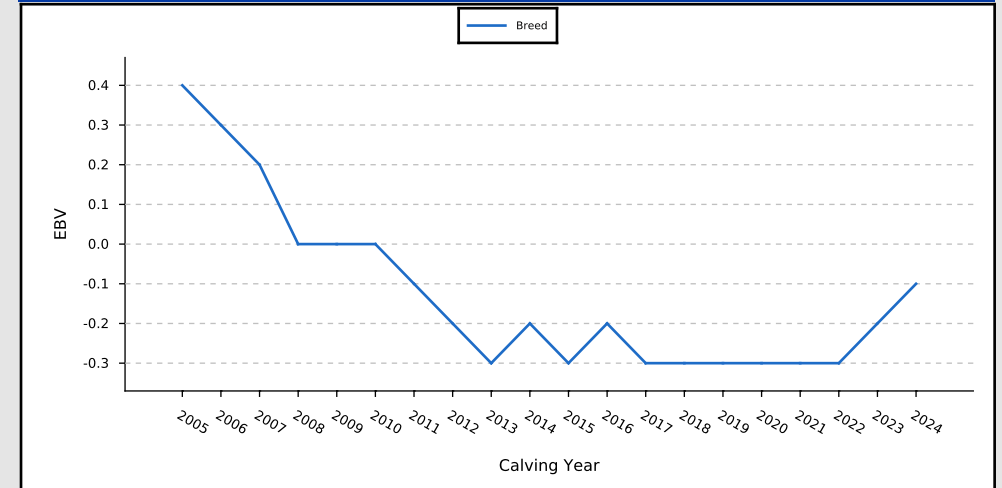
Carcase Weight (kg)



Carcase EMA (sq.cm)



Carcase Rump Fat (mm)



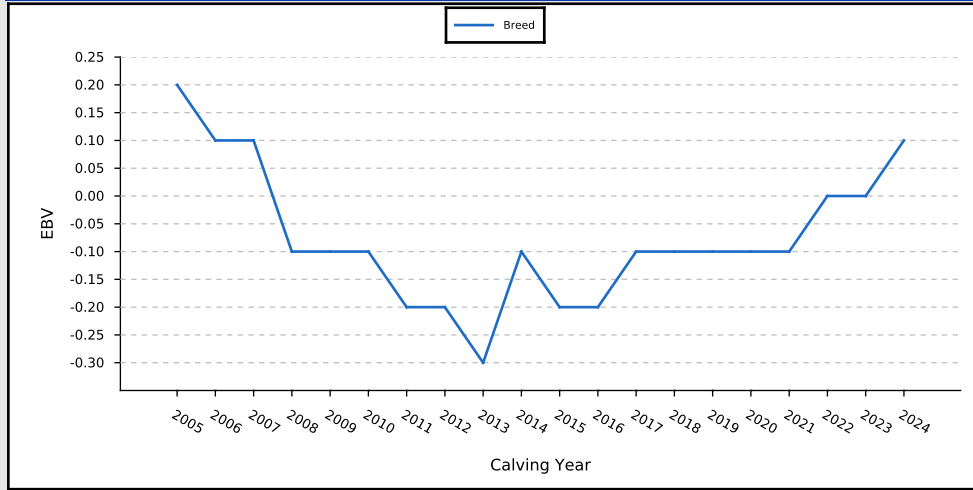
Genetic Progress By Trait

Date: July 29, 2025

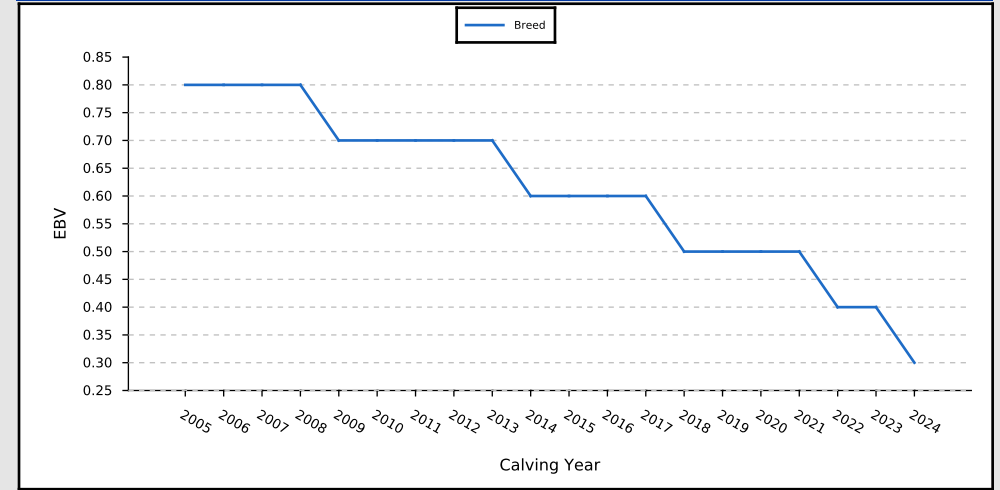
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The reports below assess the change in the average EBVs of Angus seedstock animals born in each year for each respective trait.

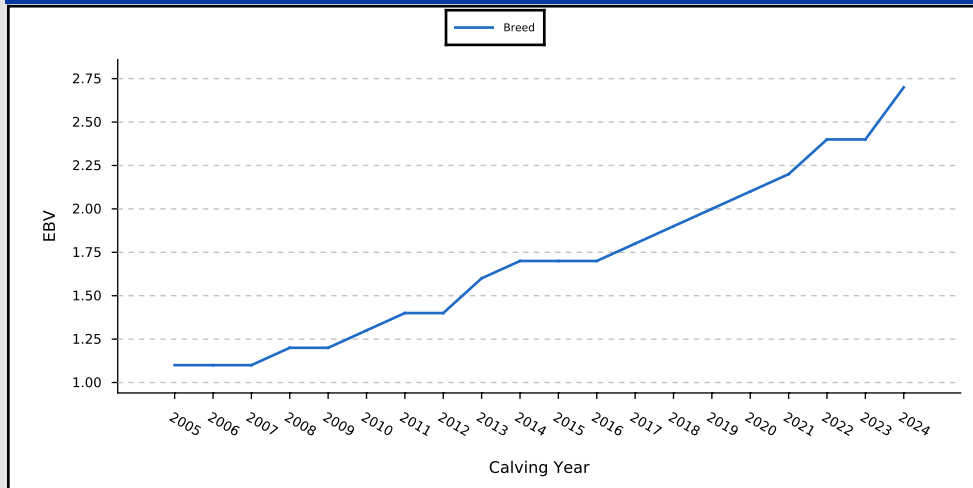
Carcase Rib Fat (mm)



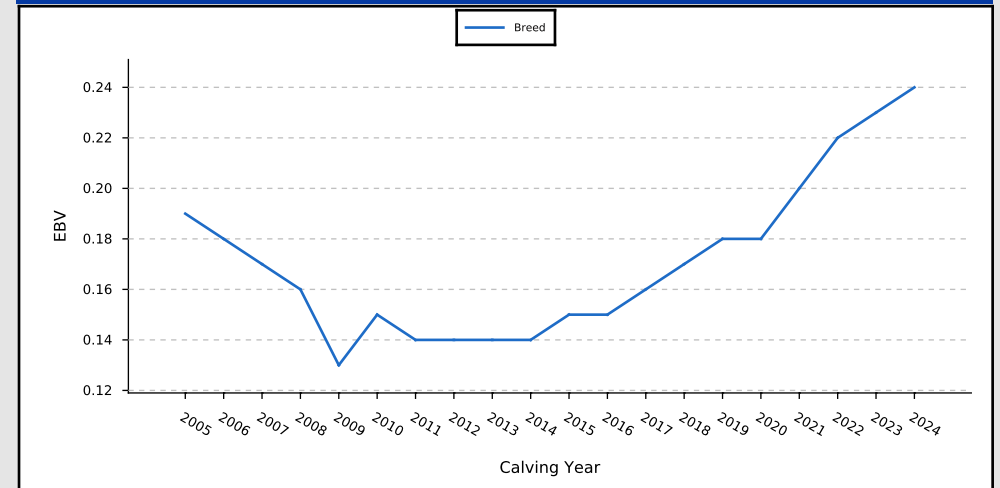
Carcase RBY (%)



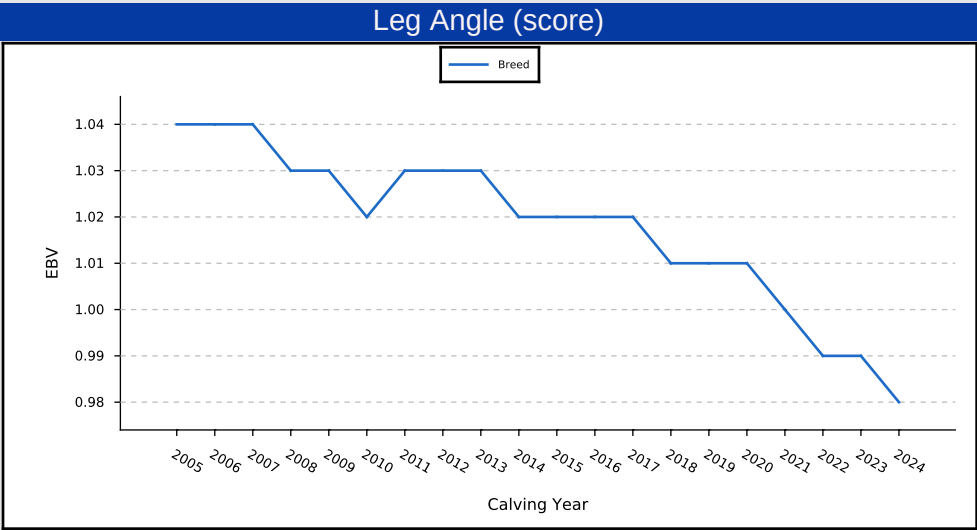
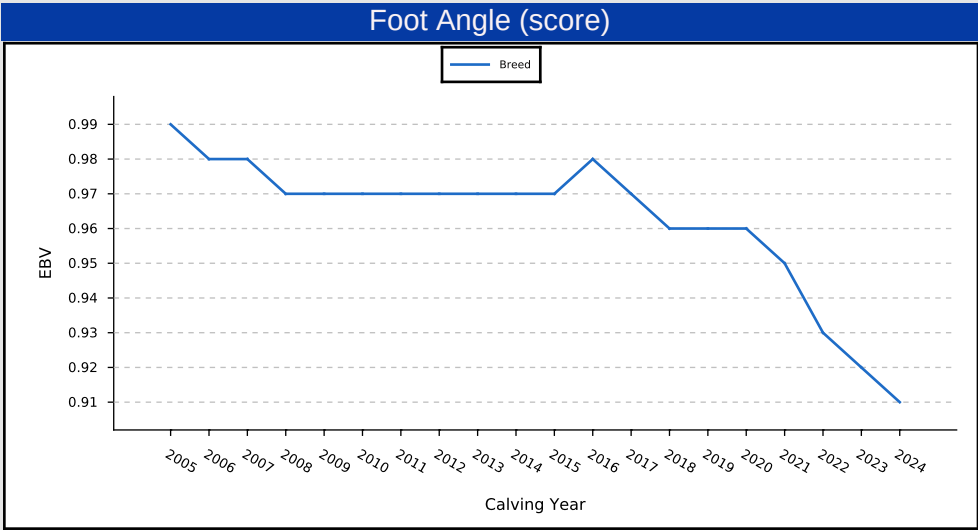
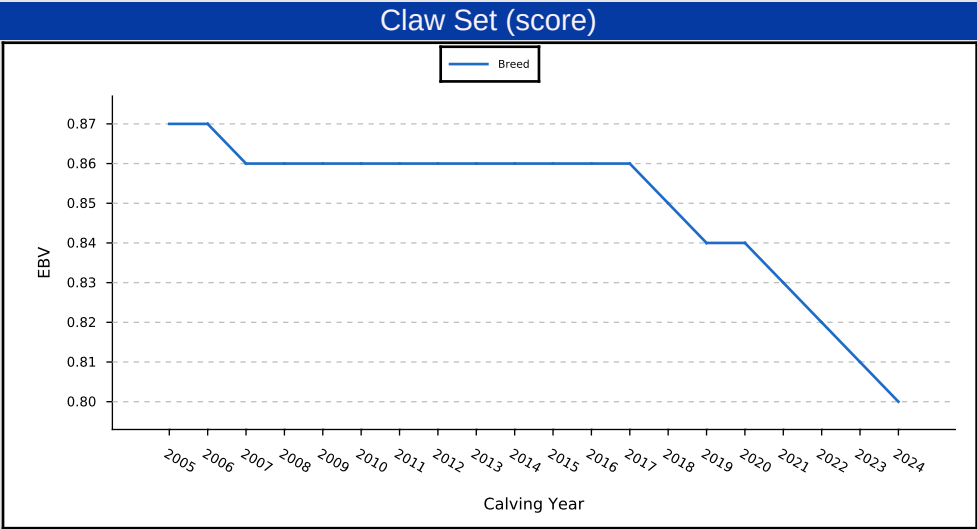
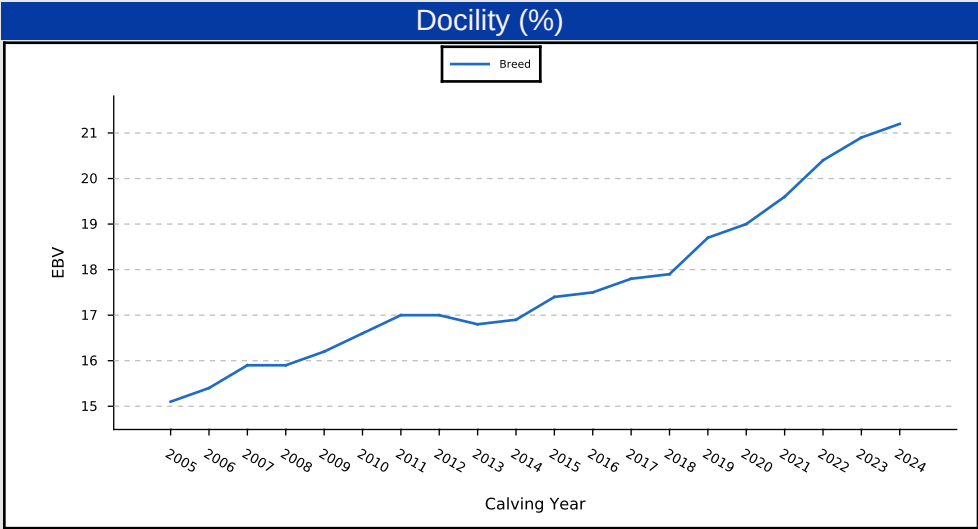
Carcase IMF (%)



NFI_F (kg/day)



The reports below assess the change in the average EBVs of Angus seedstock animals born in each year for each respective trait.



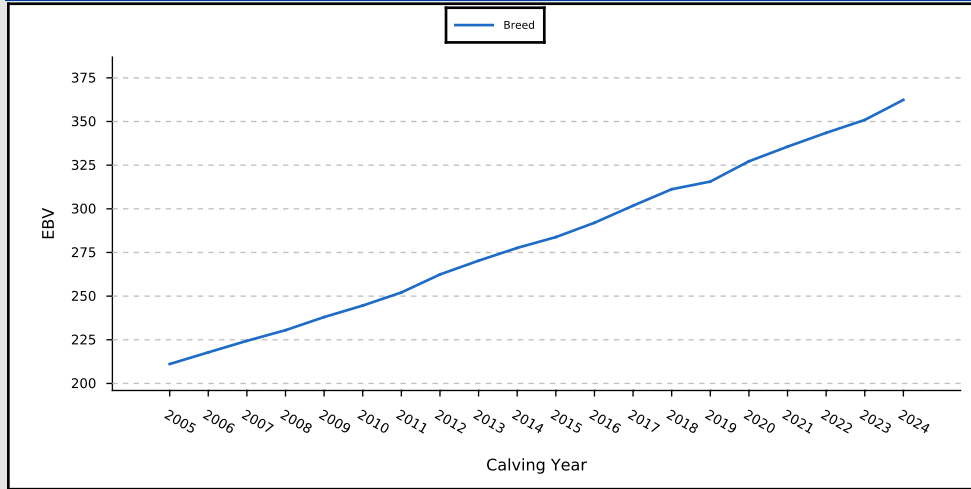
Genetic Progress By Trait

Date: July 29, 2025

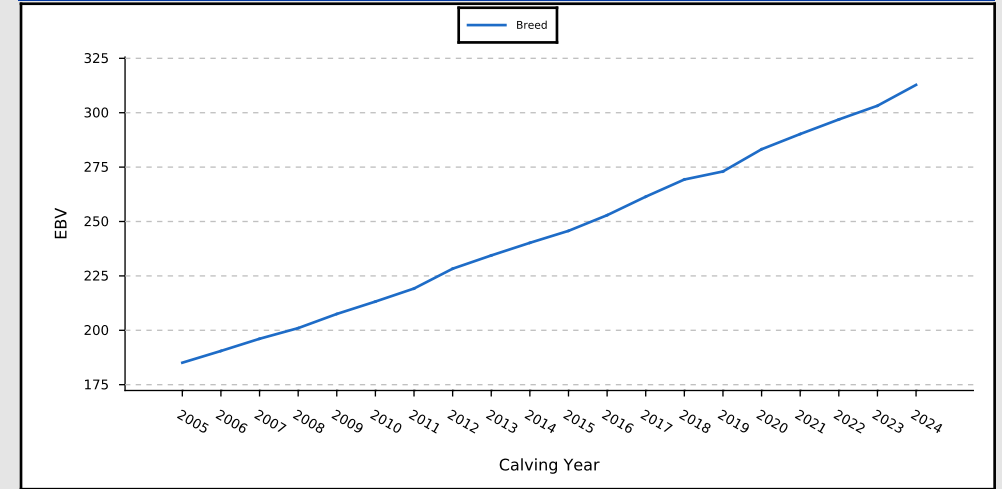
Page: 9

The reports below assess the change in the average EBVs of Angus seedstock animals born in each year for each respective trait.

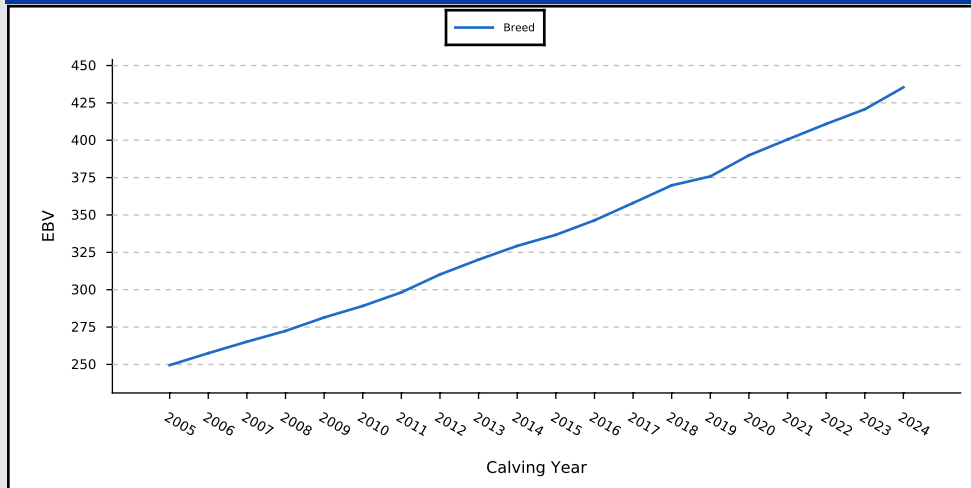
Angus Breeding Low Feed Cost (\$A-L)



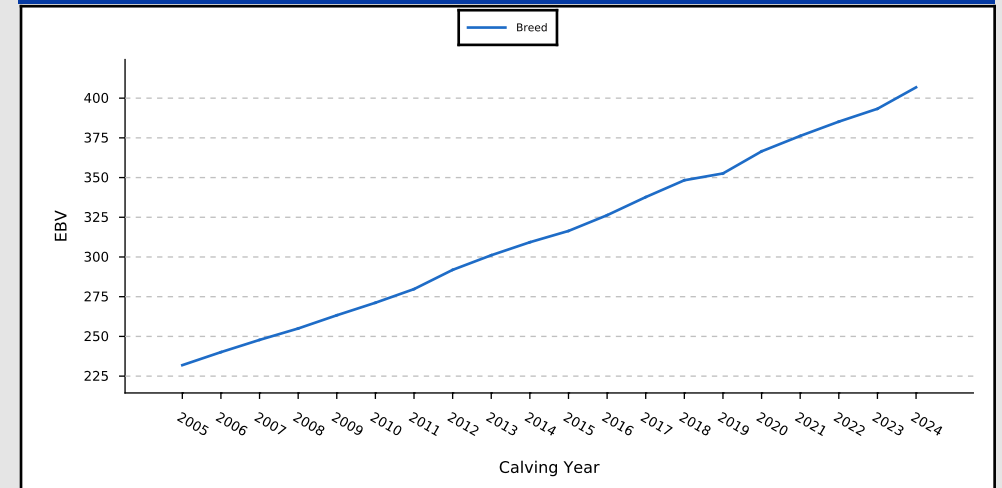
Domestic Low Feed Cost (\$D-L)



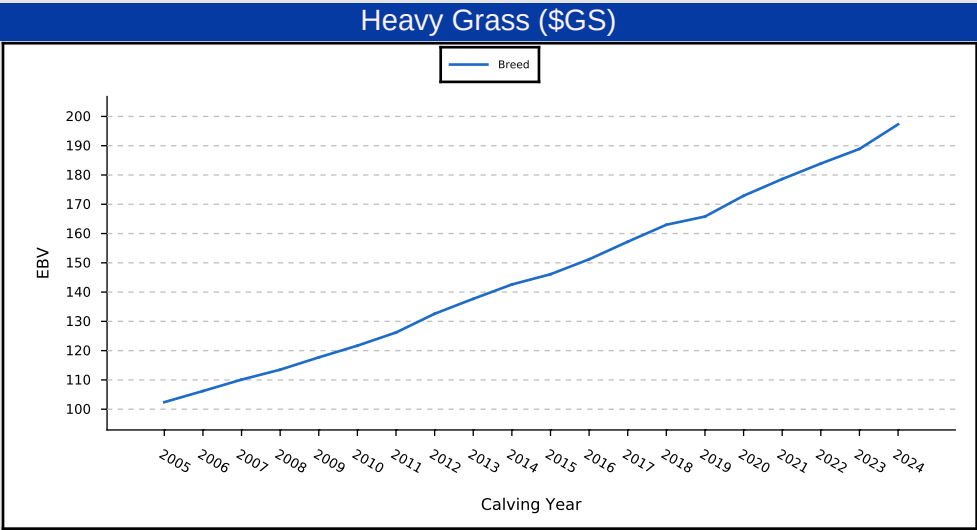
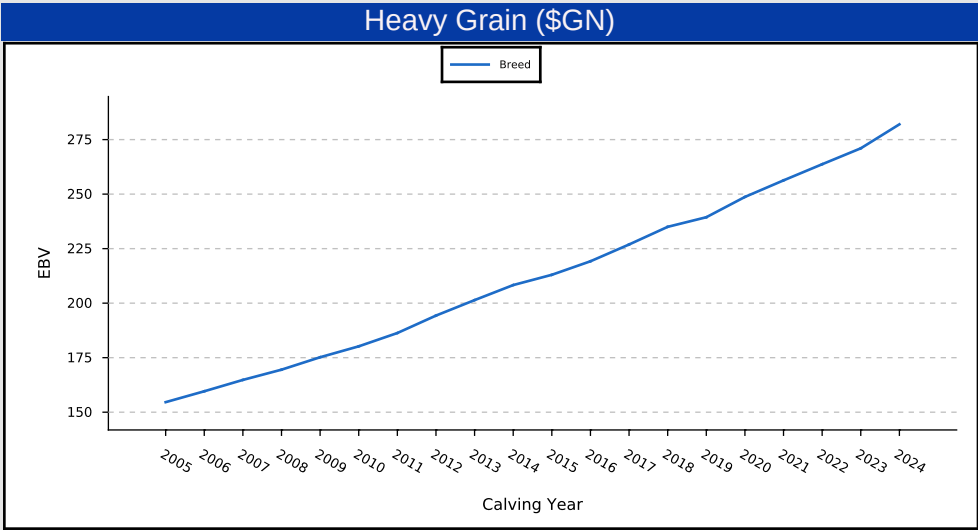
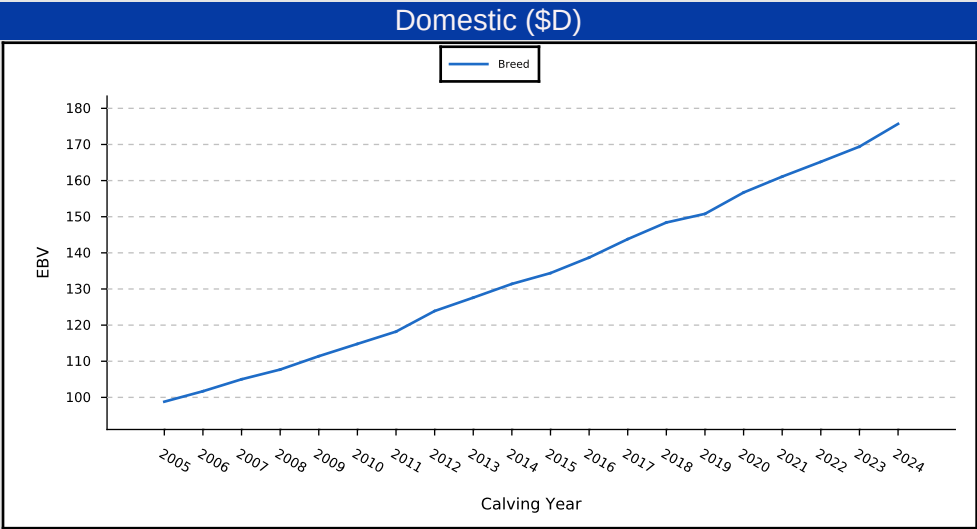
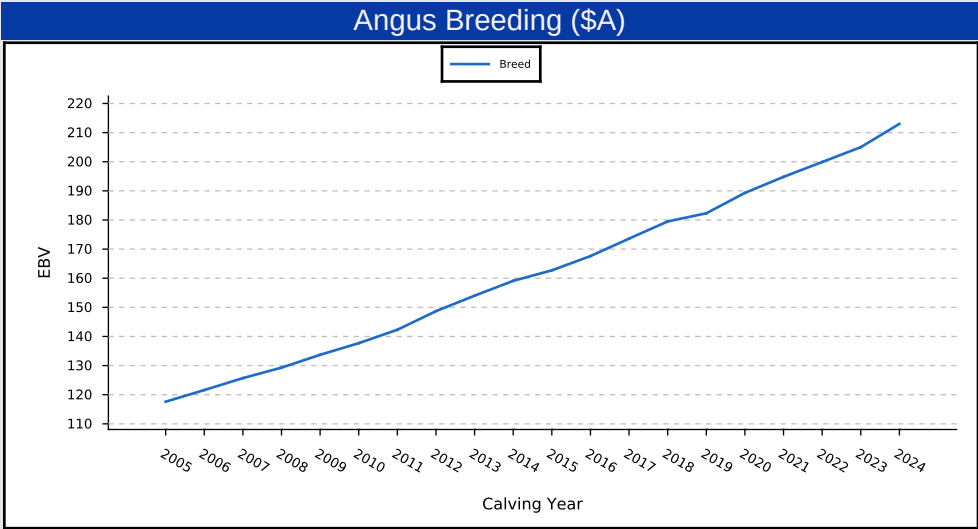
Heavy Grain Low Feed Cost (\$GN-L)



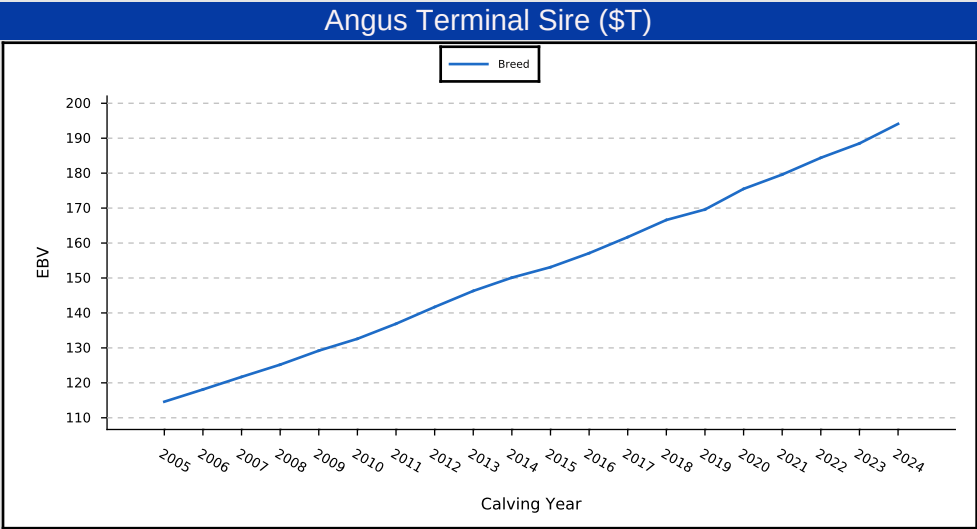
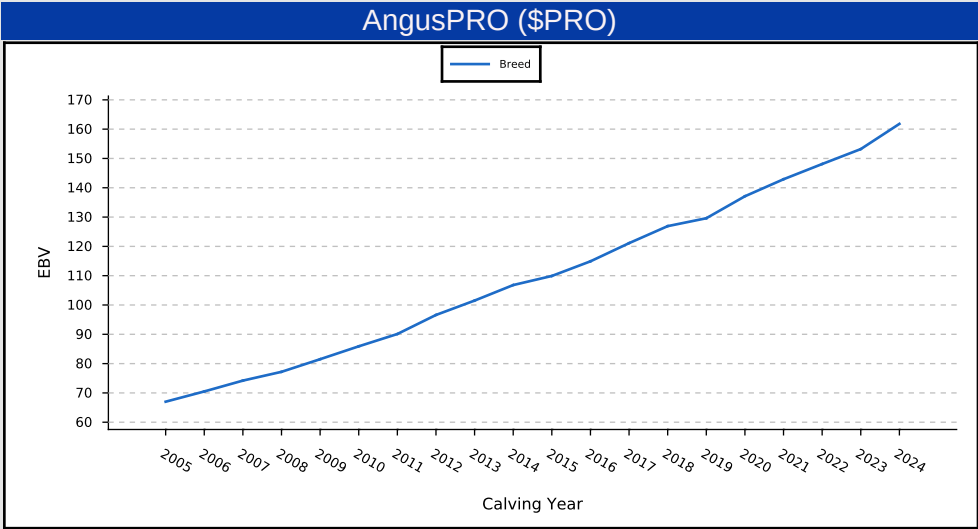
Heavy Grass Low Feed Cost (\$GS-L)



The reports below assess the change in the average EBVs of Angus seedstock animals born in each year for each respective trait.

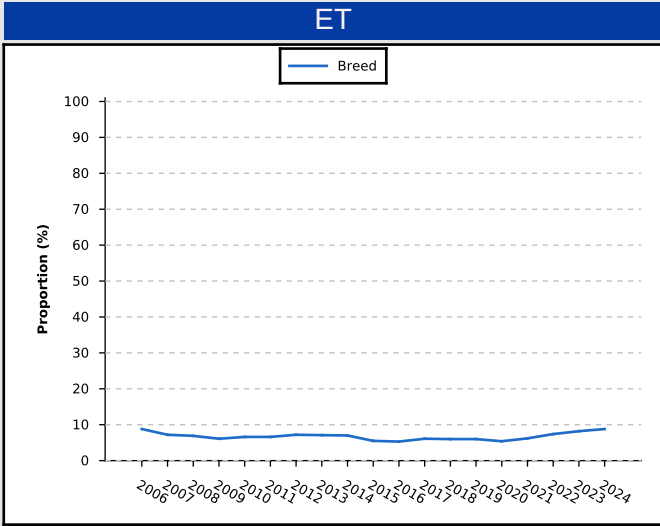
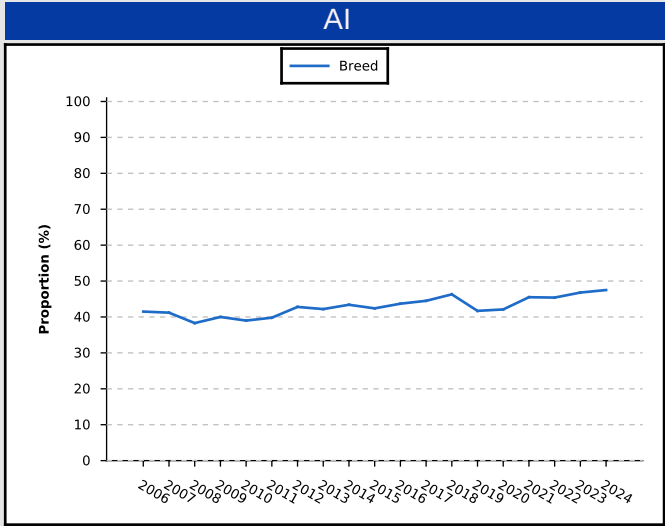
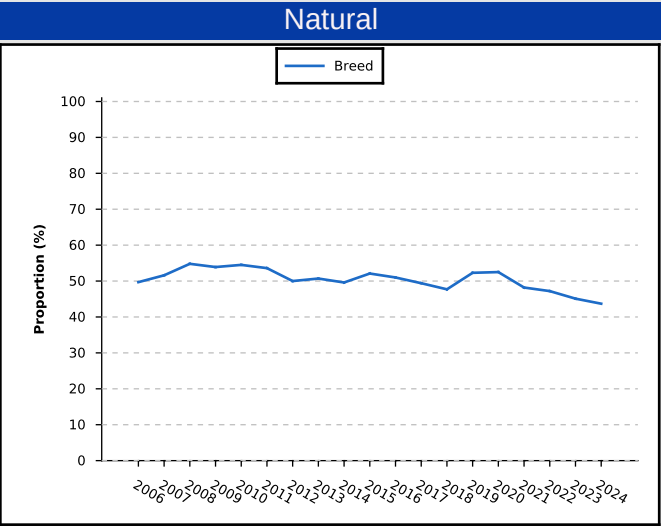
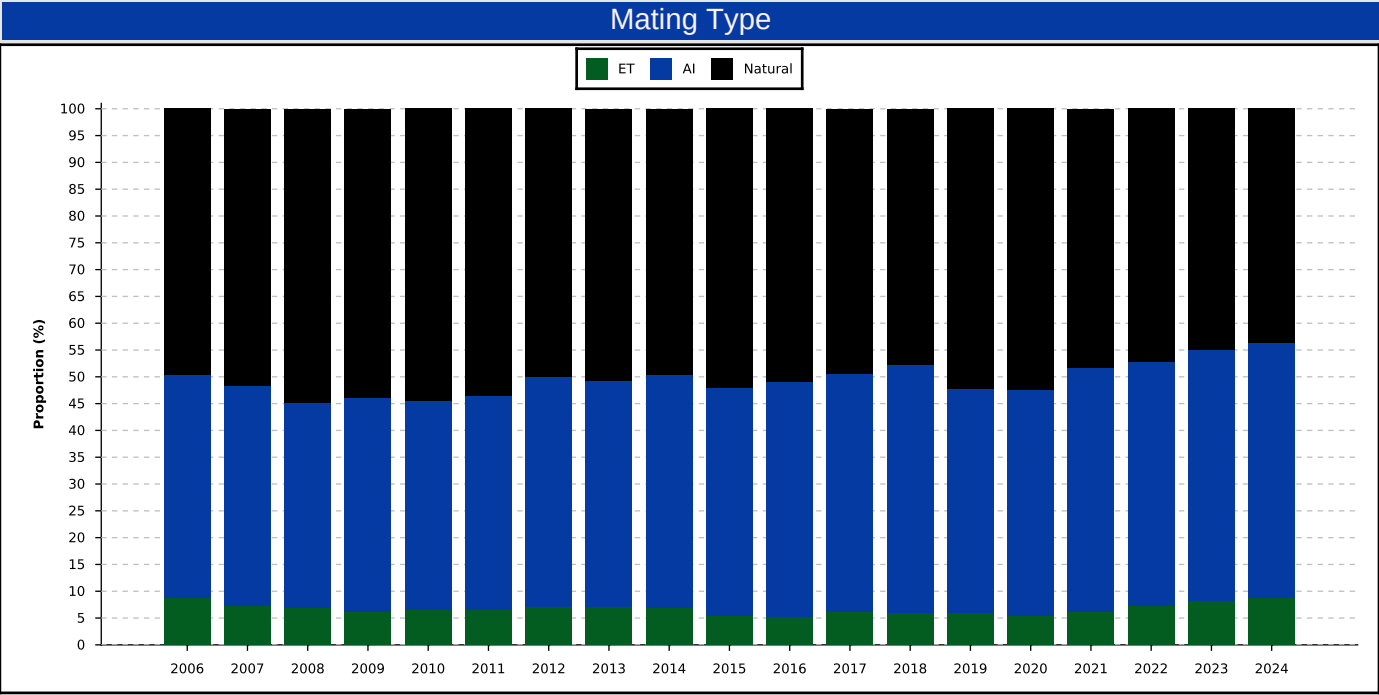


The reports below assess the change in the average EBVs of Angus seedstock animals born in each year for each respective trait.



This report assesses the utilisation of reproductive technologies within the Angus breed by summarising the number of animals born in each year that have been bred by artificial insemination and embryo transfer.

Calving Year	Animals	Mating Type		
		Natural	AI	ET
2006	70739	35135	29346	6258
2007	67444	34819	27766	4859
2008	67838	37151	26004	4683
2009	66747	35985	26698	4064
2010	67432	36733	26272	4427
2011	73581	39418	29285	4878
2012	79644	39828	34102	5714
2013	82023	41579	34650	5794
2014	80915	40148	35120	5647
2015	81602	42500	34582	4520
2016	82618	42110	36099	4409
2017	86123	42550	38298	5275
2018	87037	41493	40327	5217
2019	86819	45420	36191	5208
2020	84253	44213	35502	4538
2021	97049	46803	44183	6063
2022	106423	50266	48306	7851
2023	108354	48850	50662	8842
2024	92544	40399	43991	8154



Generation Length

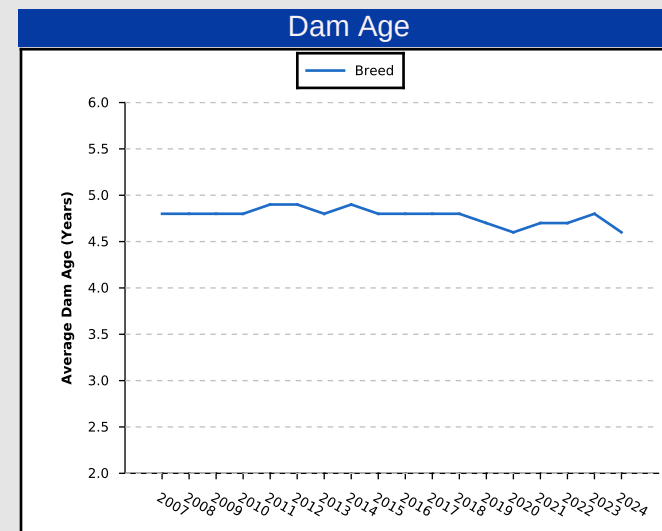
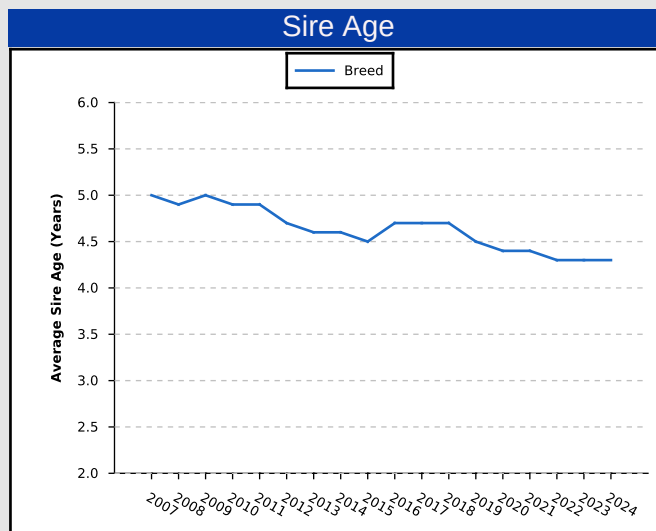
Average Sire and Dam Age By Year

Date: July 29, 2025

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This report summarises the average age of the sires and dams of Angus seedstock animals 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 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.

Calving Year	Animals	Sire Age (Years)				Dam Age (Years)			
		All	Natural	AI	ET	All	Natural	AI	ET
2007	62636	5.0	3.7	6.3	7.6	4.8	4.7	4.4	6.4
2008	63359	4.9	3.7	6.4	7.8	4.8	4.8	4.4	6.7
2009	62995	5.0	3.7	6.5	7.9	4.8	4.7	4.5	6.9
2010	63500	4.9	3.7	6.1	7.6	4.8	4.8	4.5	6.5
2011	69746	4.9	3.7	6.1	7.6	4.9	4.9	4.5	6.8
2012	75087	4.7	3.7	5.6	6.7	4.9	4.9	4.5	6.7
2013	77374	4.6	3.7	5.4	6.4	4.8	4.8	4.5	6.8
2014	76315	4.6	3.7	5.4	6.7	4.9	4.9	4.5	6.9
2015	77984	4.5	3.7	5.3	6.7	4.8	4.8	4.5	6.9
2016	78613	4.7	3.8	5.5	6.7	4.8	4.9	4.5	6.8
2017	81190	4.7	3.8	5.5	6.6	4.8	4.8	4.5	6.8
2018	82346	4.7	3.7	5.5	6.5	4.8	4.8	4.4	6.9
2019	82365	4.5	3.6	5.3	6.8	4.7	4.7	4.4	6.5
2020	80667	4.4	3.6	5.2	5.9	4.6	4.7	4.3	6.8
2021	92221	4.4	3.5	5.2	6.5	4.7	4.7	4.3	6.9
2022	99851	4.3	3.5	4.9	5.8	4.7	4.7	4.3	6.8
2023	101059	4.3	3.5	4.8	5.7	4.8	4.7	4.4	6.8
2024	85057	4.3	3.5	4.9	5.6	4.6	4.6	4.3	6.5



Genetic Diversity

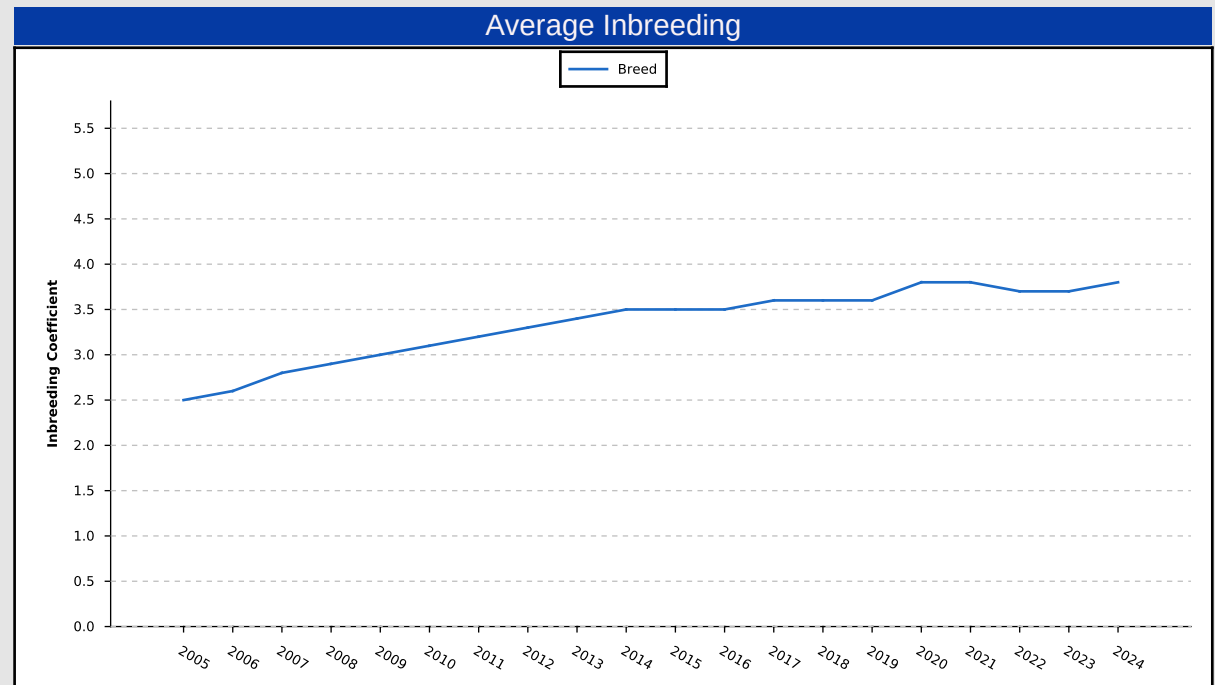
Average Inbreeding By Year

Date: July 29, 2025

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This report assesses the genetic diversity within the Angus breed by summarising the average inbreeding co-efficient of animals born in each year.

Calving Year	Animals	Inbreeding Coefficient (%)
		Breed
2005	63460	2.5
2006	64564	2.6
2007	62636	2.8
2008	63359	2.9
2009	62995	3.0
2010	63500	3.1
2011	69746	3.2
2012	75087	3.3
2013	77374	3.4
2014	76315	3.5
2015	77984	3.5
2016	78613	3.5
2017	81190	3.6
2018	82346	3.6
2019	82365	3.6
2020	80667	3.8
2021	92221	3.8
2022	99851	3.7
2023	101059	3.7
2024	85057	3.8



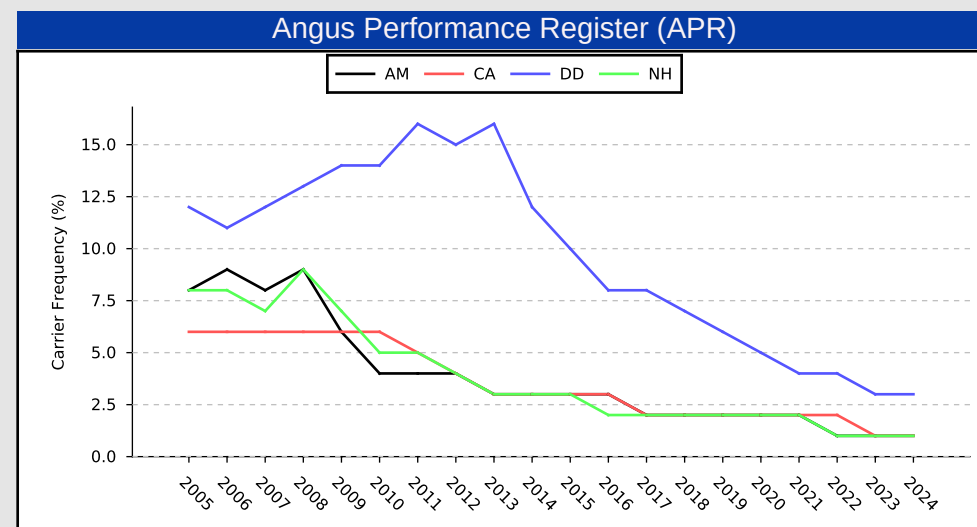
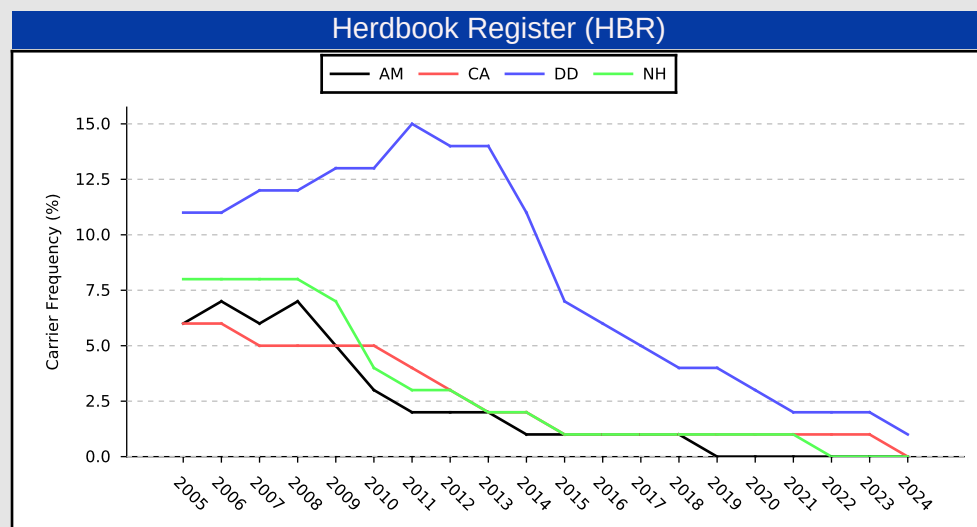
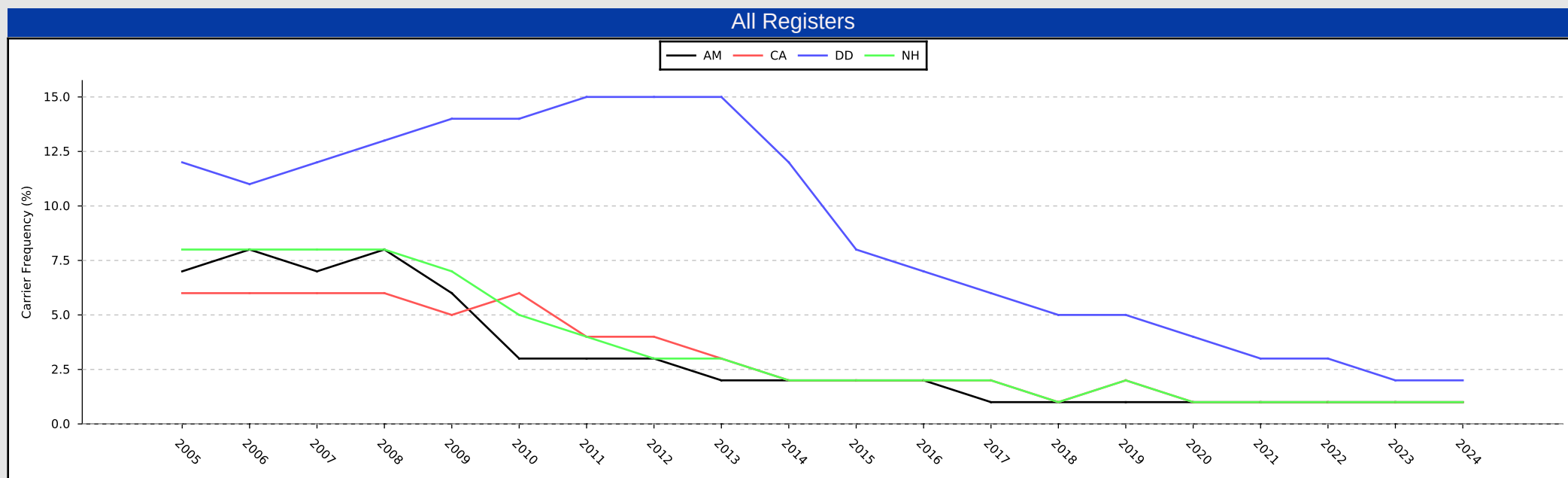
Genetic Conditions

Carrier Frequency By Register

Date: July 29, 2025

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



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
2005	63460	-0.1	+0.0	-2.1	+4.2	+33	+60	+78	+69	+0.24	+7.9	+12	+1.2	-3.2	+42	+2.9	+0.2	+0.4	+0.8	+1.1	+0.19	+15	+0.87	+0.99	+1.04	+118	+99	+155	+102	+211	+185	+250	+232	+67	+115
2006	64564	-0.1	+0.0	-2.3	+4.2	+34	+62	+81	+71	+0.24	+8.0	+13	+1.2	-3.3	+44	+3.1	+0.1	+0.3	+0.8	+1.1	+0.18	+15	+0.87	+0.98	+1.04	+122	+102	+160	+106	+218	+191	+258	+240	+71	+118
2007	62636	-0.2	-0.1	-2.3	+4.3	+35	+64	+83	+74	+0.24	+8.1	+13	+1.3	-3.4	+46	+3.3	+0.1	+0.2	+0.8	+1.1	+0.17	+16	+0.86	+0.98	+1.04	+126	+105	+165	+110	+224	+196	+265	+248	+74	+122
2008	63359	-0.3	-0.1	-2.4	+4.4	+36	+66	+86	+76	+0.25	+8.2	+13	+1.3	-3.4	+47	+3.5	-0.1	+0.0	+0.8	+1.2	+0.16	+16	+0.86	+0.97	+1.03	+129	+108	+170	+114	+231	+201	+272	+255	+77	+125
2009	62995	-0.1	+0.2	-2.5	+4.3	+37	+68	+88	+78	+0.25	+8.2	+14	+1.4	-3.5	+49	+3.5	-0.1	+0.0	+0.7	+1.2	+0.13	+16	+0.86	+0.97	+1.03	+134	+111	+175	+118	+238	+208	+281	+263	+82	+129
2010	63500	-0.1	+0.1	-2.5	+4.4	+38	+70	+90	+80	+0.25	+8.2	+14	+1.5	-3.6	+50	+3.7	-0.1	+0.0	+0.7	+1.3	+0.15	+17	+0.86	+0.97	+1.02	+138	+115	+180	+122	+245	+213	+289	+271	+86	+133
2011	69746	+0.0	+0.3	-2.6	+4.4	+39	+71	+93	+82	+0.26	+8.3	+14	+1.5	-3.6	+51	+4.0	-0.2	-0.1	+0.7	+1.4	+0.14	+17	+0.86	+0.97	+1.03	+142	+118	+186	+126	+252	+219	+298	+280	+90	+137
2012	75087	+0.0	+0.2	-2.7	+4.4	+41	+74	+96	+85	+0.26	+8.4	+14	+1.6	-3.8	+53	+4.3	-0.2	-0.2	+0.7	+1.4	+0.14	+17	+0.86	+0.97	+1.03	+149	+124	+194	+133	+262	+228	+310	+292	+97	+142
2013	77374	+0.1	+0.3	-2.9	+4.4	+42	+75	+98	+87	+0.26	+8.4	+14	+1.6	-3.9	+55	+4.5	-0.3	-0.3	+0.7	+1.6	+0.14	+17	+0.86	+0.97	+1.03	+154	+128	+201	+138	+270	+234	+320	+301	+102	+146
2014	76315	+0.4	+0.4	-3.1	+4.3	+42	+77	+100	+88	+0.27	+8.3	+15	+1.6	-4.1	+56	+4.7	-0.1	-0.2	+0.6	+1.7	+0.14	+17	+0.86	+0.97	+1.02	+159	+131	+208	+143	+278	+240	+329	+309	+107	+150
2015	77984	+0.4	+0.8	-3.2	+4.3	+43	+78	+102	+89	+0.27	+8.3	+15	+1.7	-4.1	+57	+4.9	-0.2	-0.3	+0.6	+1.7	+0.15	+17	+0.86	+0.97	+1.02	+163	+134	+213	+146	+284	+246	+337	+316	+110	+153
2016	78613	+0.6	+1.0	-3.4	+4.3	+44	+80	+105	+91	+0.27	+8.3	+15	+1.8	-4.2	+59	+5.0	-0.2	-0.2	+0.6	+1.7	+0.15	+18	+0.86	+0.98	+1.02	+168	+139	+219	+151	+292	+253	+346	+326	+115	+157
2017	81190	+0.8	+1.2	-3.6	+4.3	+46	+82	+107	+93	+0.28	+8.3	+16	+1.8	-4.4	+61	+5.3	-0.1	-0.3	+0.6	+1.8	+0.16	+18	+0.86	+0.97	+1.02	+174	+144	+227	+157	+302	+261	+358	+338	+121	+162
2018	82346	+1.1	+1.7	-3.7	+4.2	+47	+84	+110	+95	+0.29	+8.3	+16	+1.9	-4.5	+62	+5.4	-0.1	-0.3	+0.5	+1.9	+0.17	+18	+0.85	+0.96	+1.01	+180	+148	+235	+163	+311	+269	+370	+348	+127	+167
2019	82365	+1.3	+2.0	-3.8	+4.2	+47	+86	+111	+96	+0.29	+8.3	+16	+1.9	-4.4	+63	+5.6	-0.1	-0.3	+0.5	+2.0	+0.18	+19	+0.84	+0.96	+1.01	+182	+151	+239	+166	+316	+273	+376	+353	+130	+170
2020	80667	+1.5	+2.1	-4.0	+4.1	+49	+88	+114	+99	+0.30	+8.3	+16	+2.0	-4.6	+65	+5.9	-0.1	-0.3	+0.5	+2.1	+0.18	+19	+0.84	+0.96	+1.01	+189	+157	+249	+173	+327	+283	+390	+367	+137	+176
2021	92221	+1.8	+2.5	-4.2	+4.0	+50	+90	+116	+100	+0.30	+8.2	+17	+2.1	-4.7	+66	+6.1	-0.1	-0.3	+0.5	+2.2	+0.20	+20	+0.83	+0.95	+1.00	+195	+161	+256	+179	+336	+290	+401	+376	+143	+180
2022	99851	+2.0	+2.8	-4.3	+4.0	+51	+92	+118	+102	+0.30	+8.2	+17	+2.1	-4.7	+67	+6.4	+0.0	-0.3	+0.4	+2.4	+0.22	+20	+0.82	+0.93	+0.99	+200	+165	+264	+184	+344	+297	+411	+385	+148	+184
2023	10105	+2.2	+3.0	-4.5	+3.9	+52	+93	+120	+102	+0.30	+8.1	+17	+2.2	-4.8	+68	+6.5	+0.0	-0.2	+0.4	+2.4	+0.23	+21	+0.81	+0.92	+0.99	+205	+169	+271	+189	+351	+303	+421	+393	+153	+189
2024	85057	+2.7	+3.3	-4.7	+3.7	+52	+95	+122	+103	+0.31	+8.0	+18	+2.3	-5.0	+70	+7.0	+0.1	-0.1	+0.3	+2.7	+0.24	+21	+0.80	+0.91	+0.98	+213	+176	+282	+197	+362	+313	+435	+407	+162	+194

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