

Inbreeding in Flemish cattle

For 4 Flemish cattle breeds, the average inbreeding per year of birth is given in graph 1. The selected breeds are Belgian Blue, Holstein Friesian, East Flemish White & Red and Belgian Blue mix. Holstein Friesian include black & white and red & white animals.

The selected breeds had a minimum of 200 animals in 2019.

Note that the level of inbreeding depends on the amount of pedigree which is available for animals in the population. For the first years of birth there is limited information available on ancestry of many animals.

The average inbreeding per year of birth per breed can also be viewed in figure 1.

Graph 1. Average inbreeding per year of birth for Flemish cattle breeds.

Birthyear	Belgian Blue	Holstein Friesian	East Flemish White & Red	Belgian Blue Mix
1990	1.10	2.30	0.76	
1991	1.26	2.64	0.96	
1992	1.51	2.96	1.02	
1993	1.74	3.15	1.07	
1994	1.79	3.35	1.15	
1995	2.00	3.36	1.19	
1996	2.27	3.62	1.30	
1997	2.70	3.75	1.55	
1998	3.02	3.89	1.64	
1999	3.26	4.06	1.62	
2000	3.52	4.16	1.80	
2001	3.66	4.31	1.80	
2002	3.86	4.46	1.54	
2003	4.08	4.51	1.90	3.10
2004	4.12	4.52	2.04	3.17
2005	4.27	4.50	2.17	3.32
2006	4.35	4.56	1.93	3.11
2007	4.33	4.58	2.55	3.15
2008	4.32	4.62	2.24	3.00
2009	4.48	4.66	1.97	2.83
2010	4.39	4.70	2.37	3.11
2011	4.28	4.74	2.32	3.12
2012	4.26	4.83	2.20	2.94
2013	4.28	5.05	2.30	3.07
2014	4.18	5.26	2.28	2.78
2015	4.28	5.49	2.37	2.75
2016	4.25	5.73	2.28	2.91
2017	4.31	6.00	2.55	2.54
2018	4.38	6.28	3.36	2.79
2019	4.42	6.53	3.03	2.54
2020	4.45	6.79	3.23	2.63

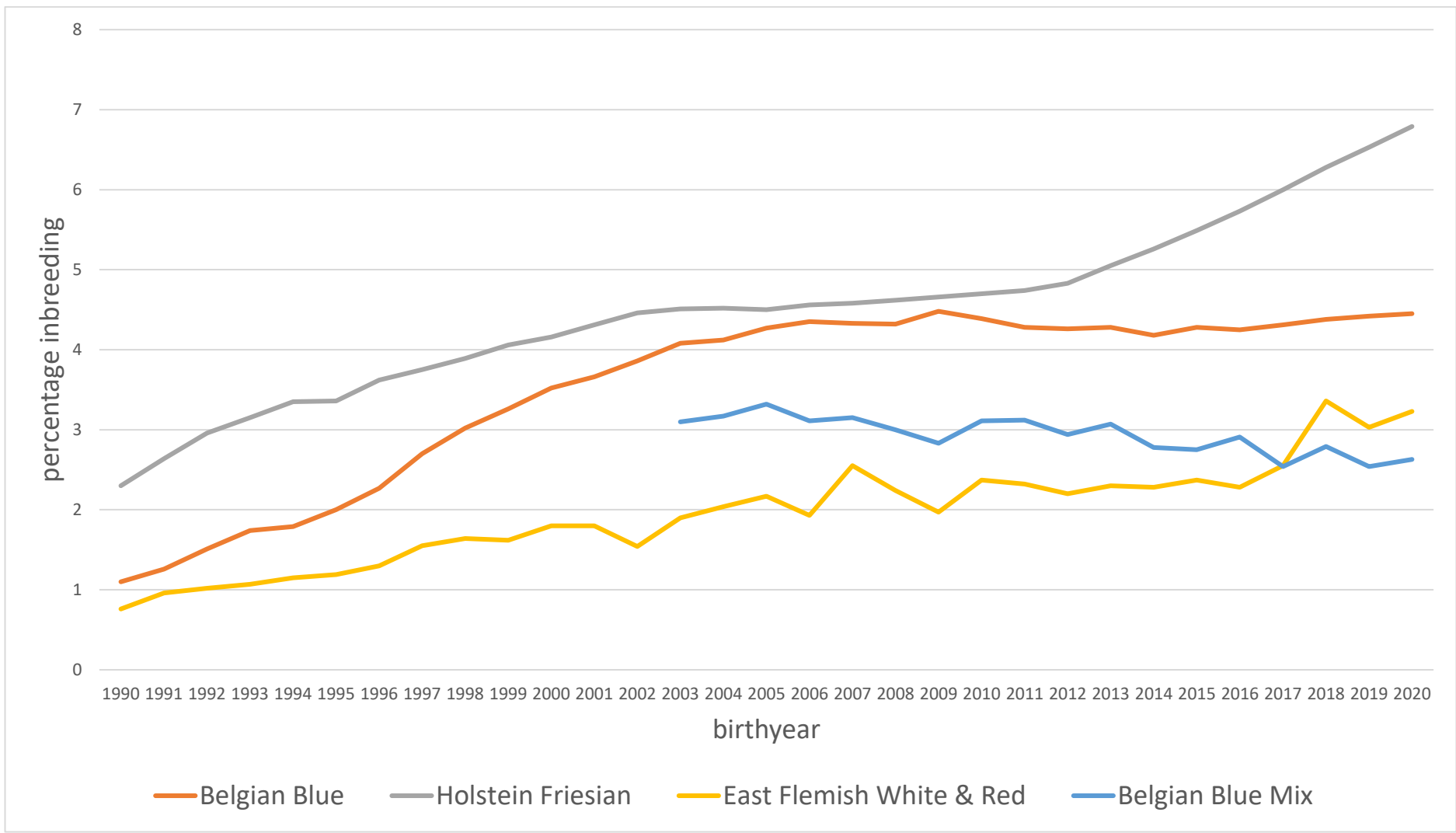


Figure 1. Average inbreeding per year of birth per breed.