

National genetic trends by birth year for Holstein cows
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Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	168760	1859	-528	-29.3	-23.4	-0.08	-0.04	97.2	97.3	-5.4	-1.2	-3.6	-6.2	-0.3	96.8	99.3	97.6
2010	167298	1925	-438	-24.3	-19.3	-0.06	-0.04	97.6	97.5	-4.7	-0.7	-3.0	-5.6	0.2	96.8	99.1	97.6
2011	164119	2007	-379	-19.6	-16.5	-0.04	-0.03	97.6	97.7	-3.6	-0.3	-2.2	-4.6	0.5	97.5	99.0	98.5
2012	165220	2094	-324	-14.4	-13.1	-0.01	-0.02	97.8	97.9	-2.5	0.2	-1.4	-3.5	0.7	97.9	99.0	98.9
2013	157325	2180	-181	-9.8	-8.0	-0.02	-0.01	97.8	98.4	-1.6	0.4	-0.7	-2.6	0.9	98.5	99.1	99.0
2014	153605	2269	-94	-4.7	-3.9	-0.00	-0.00	98.4	99.1	-0.8	0.5	0.0	-1.8	1.1	99.2	99.4	99.3
2015	154343	2352	-1	0.1	0.0	0.01	0.00	98.5	99.6	0.1	0.9	0.6	-0.9	1.3	99.8	99.5	99.8
2016	146020	2444	139	6.5	5.2	0.02	0.01	98.8	100.0	0.8	1.1	1.1	-0.1	1.3	100.4	99.9	100.4
2017	136084	2536	263	11.3	10.2	0.02	0.01	99.2	100.7	1.8	1.3	1.7	1.0	1.8	101.0	100.0	100.9
2018	125987	2626	342	17.9	14.8	0.05	0.03	99.5	100.8	2.7	1.6	2.1	1.8	2.1	101.5	100.3	101.4
2019	106648	2715	438	25.4	20.4	0.08	0.05	99.7	101.4	3.3	2.0	2.6	2.4	2.2	101.9	100.4	101.8

Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2009-2019	86	97	5.5	4.4	0.02	0.01	0.3	0.4	0.9	0.3	0.6	0.9	0.3	0.5	0.1	0.4	
2014-2019	89	106	6.0	4.9	0.02	0.01	0.3	0.4	0.8	0.3	0.5	0.8	0.2	0.5	0.2	0.5	

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.