

National genetic trends by birth year for Holstein cows
Lactanet Canada, August 2020

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|---------------|--------|------|------|---------|---------|----------|----------|------|-------|------|------|------|------|------|-------|-------|-------|
| 2007 | 158783 | 1755 | -471 | -24.5 | -19.2 | -0.06 | -0.03 | 98.0 | 97.9 | -5.1 | -1.9 | -3.4 | -5.5 | -1.0 | 97.6 | 100.3 | 98.4 |
| 2008 | 166039 | 1809 | -405 | -22.0 | -16.7 | -0.06 | -0.02 | 98.0 | 98.3 | -4.3 | -1.4 | -2.9 | -4.8 | -0.4 | 97.9 | 100.2 | 98.7 |
| 2009 | 168435 | 1847 | -318 | -19.1 | -14.6 | -0.06 | -0.03 | 97.8 | 98.3 | -3.9 | -1.3 | -2.8 | -4.4 | -0.3 | 98.1 | 100.1 | 98.5 |
| 2010 | 166815 | 1914 | -227 | -14.1 | -10.5 | -0.04 | -0.02 | 98.3 | 98.4 | -3.1 | -0.7 | -2.1 | -3.7 | 0.2 | 98.2 | 99.9 | 98.6 |
| 2011 | 163433 | 1998 | -167 | -9.3 | -7.7 | -0.02 | -0.02 | 98.3 | 98.7 | -2.0 | -0.2 | -1.3 | -2.7 | 0.6 | 98.9 | 99.8 | 99.5 |
| 2012 | 164218 | 2087 | -109 | -4.0 | -4.2 | 0.01 | -0.00 | 98.5 | 98.9 | -0.9 | 0.3 | -0.5 | -1.6 | 0.8 | 99.3 | 99.8 | 99.9 |
| 2013 | 155693 | 2174 | 36 | 0.6 | 0.9 | -0.00 | -0.00 | 98.5 | 99.4 | -0.1 | 0.5 | 0.2 | -0.7 | 1.0 | 99.9 | 99.9 | 100.0 |
| 2014 | 151114 | 2267 | 127 | 5.9 | 5.1 | 0.02 | 0.01 | 99.0 | 100.2 | 0.8 | 0.7 | 1.0 | 0.1 | 1.2 | 100.7 | 100.2 | 100.4 |
| 2015 | 150327 | 2354 | 222 | 10.9 | 9.2 | 0.03 | 0.02 | 99.2 | 100.7 | 1.7 | 1.2 | 1.7 | 1.1 | 1.4 | 101.3 | 100.3 | 100.8 |
| 2016 | 138598 | 2449 | 357 | 17.3 | 14.2 | 0.04 | 0.02 | 99.5 | 101.1 | 2.5 | 1.6 | 2.2 | 1.8 | 1.5 | 101.8 | 100.7 | 101.5 |
| 2017 | 112073 | 2540 | 470 | 22.1 | 18.8 | 0.04 | 0.03 | 99.9 | 101.7 | 3.5 | 2.1 | 2.9 | 2.9 | 2.0 | 102.4 | 100.8 | 101.9 |
| Annual trends | | | | | | | | | | | | | | | | | |
| Years | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA | |
| 2007-2017 | 79 | 94 | 4.7 | 3.8 | 0.01 | 0.01 | 0.2 | 0.4 | 0.9 | 0.4 | 0.6 | 0.8 | 0.3 | 0.5 | 0.1 | 0.3 | |
| 2012-2017 | 91 | 116 | 5.2 | 4.6 | 0.01 | 0.01 | 0.3 | 0.6 | 0.9 | 0.4 | 0.7 | 0.9 | 0.2 | 0.6 | 0.2 | 0.4 | |

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.