

**Provincial genetic trends by birth year for Canadienne cows**  
**Canadian Dairy Network, August 2018**

**Nova Scotia**

| Year | Cows | LPI  | Milk | Fat   | Protein | Fat%  | Protein% | Pers  | SCS  | Conf | DS  | F&L  | MS  | Rump | HL    | DF   | DCA   |
|------|------|------|------|-------|---------|-------|----------|-------|------|------|-----|------|-----|------|-------|------|-------|
| 2011 | 1    | 941  | -15  | -13.0 | -2.0    | -0.33 | -0.05    | 90.0  | 3.34 | 7.0  | 7.0 | 10.0 | 3.0 | -1.0 | 96.0  | 96.0 | 97.0  |
| 2012 | 4    | 1271 | 33   | 1.5   | 0.0     | 0.02  | -0.02    | 100.0 | 2.95 | 4.8  | 2.0 | 2.8  | 4.8 | -0.8 | 102.0 | 98.0 | 99.5  |
| 2014 | 2    | 1089 | -7   | -3.5  | -2.0    | -0.10 | -0.05    | 100.0 | 3.04 | 2.5  | 0.0 | 2.0  | 3.0 | -1.5 | 99.5  | 98.0 | 102.0 |
| 2015 | 2    | 1565 | 326  | 8.5   | 6.5     | -0.04 | -0.04    | 101.0 | 2.84 | 5.5  | 3.5 | 3.5  | 5.0 | -1.5 | 103.5 | .    | 101.0 |

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.

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**New Brunswick**

| Year | Cows | LPI  | Milk | Fat  | Protein | Fat% | Protein% | Pers  | SCS  | Conf | DS  | F&L | MS  | Rump | HL    | DF    | DCA  |
|------|------|------|------|------|---------|------|----------|-------|------|------|-----|-----|-----|------|-------|-------|------|
| 2011 | 1    | 1061 | -332 | -8.0 | -3.0    | 0.07 | 0.13     | 101.0 | 3.13 | 5.0  | 4.0 | 2.0 | 2.0 | 4.0  | 101.0 | 101.0 | 97.0 |

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3. Conformation indexes based on first lactation classifications of each cow.

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**Quebec**

| Year | Cows | LPI  | Milk | Fat  | Protein | Fat%  | Protein% | Pers  | SCS  | Conf | DS  | F&L | MS   | Rump | HL    | DF    | DCA   |
|------|------|------|------|------|---------|-------|----------|-------|------|------|-----|-----|------|------|-------|-------|-------|
| 2005 | 123  | 1111 | -96  | -3.8 | -1.1    | -0.02 | 0.03     | 99.4  | 3.00 | 0.9  | 1.6 | 1.0 | -0.2 | 2.7  | 101.5 | 101.2 | 100.6 |
| 2006 | 115  | 1203 | 11   | 1.1  | 0.6     | 0.02  | 0.01     | 100.7 | 2.95 | 1.9  | 2.3 | 2.7 | 0.2  | 2.6  | 101.6 | 100.3 | 101.8 |
| 2007 | 148  | 1125 | 21   | -2.0 | -0.2    | -0.06 | -0.02    | 100.1 | 2.96 | 0.4  | 1.1 | 2.5 | -1.1 | 1.7  | 101.5 | 100.2 | 102.0 |
| 2008 | 120  | 1188 | 80   | 0.6  | 1.2     | -0.05 | -0.02    | 100.1 | 2.98 | 1.0  | 1.6 | 3.5 | -0.5 | 2.1  | 101.4 | 100.0 | 102.2 |
| 2009 | 149  | 1195 | -31  | -0.8 | 0.1     | 0.01  | 0.02     | 99.6  | 3.01 | 2.2  | 2.1 | 2.5 | 1.4  | 1.2  | 101.6 | 100.4 | 101.5 |
| 2010 | 124  | 1152 | 24   | -0.4 | 0.1     | -0.03 | -0.01    | 99.4  | 2.98 | 1.6  | 1.3 | 1.7 | 0.9  | 1.0  | 100.8 | 99.5  | 101.8 |
| 2011 | 144  | 1163 | 17   | 1.1  | 0.6     | 0.02  | 0.01     | 98.8  | 3.02 | 2.5  | 2.3 | 2.3 | 1.8  | 0.6  | 100.0 | 98.4  | 100.8 |
| 2012 | 128  | 1178 | 6    | 0.3  | -0.1    | 0.01  | -0.01    | 98.7  | 2.99 | 2.7  | 2.0 | 2.0 | 2.2  | 1.4  | 100.8 | 99.3  | 100.9 |
| 2013 | 138  | 1263 | 56   | 2.0  | 0.9     | 0.01  | -0.01    | 99.5  | 2.99 | 3.7  | 2.0 | 2.2 | 3.3  | 1.8  | 101.5 | 100.0 | 101.0 |
| 2014 | 143  | 1138 | -76  | -3.7 | -2.6    | -0.03 | -0.02    | 99.0  | 2.97 | 3.2  | 2.0 | 2.6 | 2.6  | 1.7  | 101.4 | 100.0 | 100.6 |
| 2015 | 105  | 1238 | 24   | -0.5 | 0.0     | -0.03 | -0.02    | 100.7 | 2.97 | 4.5  | 2.9 | 2.8 | 4.0  | 1.0  | 101.6 | 99.3  | 101.1 |

Notes:

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2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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**Ontario**

| Year | Cows | LPI  | Milk | Fat   | Protein | Fat%  | Protein% | Pers  | SCS  | Conf | DS   | F&L  | MS   | Rump | HL    | DF    | DCA   |
|------|------|------|------|-------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2005 | 7    | 882  | -216 | -8.7  | -5.1    | -0.06 | 0.01     | 105.0 | 2.98 | -1.6 | -2.4 | -2.3 | -2.0 | 0.9  | 100.0 | 100.0 | .     |
| 2006 | 12   | 1160 | -120 | -1.2  | 0.0     | 0.08  | 0.08     | 100.1 | 3.04 | 3.3  | 4.4  | 3.4  | 0.2  | 4.7  | 100.6 | 100.8 | 99.8  |
| 2007 | 3    | 655  | -639 | -18.7 | -12.7   | 0.05  | 0.07     | 98.0  | 3.19 | 0.0  | -1.3 | 3.3  | 0.0  | -2.0 | 99.3  | .     | .     |
| 2008 | 1    | 933  | -74  | -3.0  | -3.0    | -0.03 | -0.02    | 102.0 | 2.99 | -3.0 | -4.0 | 0.0  | -2.0 | -1.0 | 98.0  | .     | .     |
| 2010 | 1    | 602  | -782 | -25.0 | -18.0   | -0.01 | 0.03     | 95.0  | 3.06 | 3.0  | -2.0 | 1.0  | 4.0  | 1.0  | 100.0 | .     | .     |
| 2011 | 2    | 1047 | -11  | -1.5  | 0.0     | -0.03 | 0.01     | 99.0  | 3.06 | -0.5 | -0.5 | 2.0  | -1.0 | -1.0 | 98.0  | 99.0  | 104.0 |
| 2013 | 1    | 1344 | -181 | -4.0  | 1.0     | 0.04  | 0.14     | 98.0  | 3.22 | 7.0  | 8.0  | 7.0  | 4.0  | 2.0  | 102.0 | 103.0 | 100.0 |
| 2014 | 1    | 1169 | -169 | -1.0  | 0.0     | 0.12  | 0.12     | 99.0  | 3.19 | 2.0  | -1.0 | 4.0  | 3.0  | -4.0 | 99.0  | .     | .     |

Notes:

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