

Provincial genetic trends by birth year for Guernsey cows
Canadian Dairy Network, August 2017

Prince Edward Island

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|-----|------|------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2009 | 1 | 354 | -153 | -9.0 | -1.0 | -0.03 | 0.05 | 104.0 | 3.06 | -5.0 | -3.0 | -3.0 | -6.0 | -1.0 | 95.0 | 99.0 | 98.0 |
| 2011 | 1 | 814 | 36 | 10.0 | 1.0 | 0.12 | -0.01 | 105.0 | 3.03 | 2.0 | -3.0 | 0.0 | 3.0 | 1.0 | 103.0 | 101.0 | 101.0 |
| 2012 | 1 | 743 | 133 | 15.0 | 5.0 | 0.14 | 0.01 | 103.0 | 2.89 | -2.0 | -4.0 | -1.0 | 0.0 | -7.0 | 101.0 | 98.0 | 101.0 |
| 2013 | 1 | 760 | 180 | -3.0 | 5.0 | -0.15 | -0.02 | 104.0 | 2.90 | -1.0 | 2.0 | 3.0 | -4.0 | 3.0 | 104.0 | 102.0 | 107.0 |

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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Nova Scotia

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|-----|------|-----|---------|------|----------|------|------|------|------|------|------|------|-------|----|-----|
| 2012 | 1 | 686 | -225 | 3.0 | -1.0 | 0.16 | 0.10 | 99.0 | 3.00 | -2.0 | -4.0 | -2.0 | -1.0 | -1.0 | 103.0 | . | . |

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 |
|------|------|-----|------|-------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2004 | 31 | 566 | -135 | -8.2 | -3.8 | -0.03 | 0.01 | 100.8 | 3.05 | -0.0 | -0.2 | -0.4 | 0.0 | -0.1 | 100.4 | 99.4 | 99.8 |
| 2005 | 50 | 493 | -86 | -11.0 | -5.7 | -0.10 | -0.03 | 100.0 | 3.10 | -0.5 | -0.1 | -1.1 | -0.7 | 0.9 | 99.3 | 99.9 | 99.4 |
| 2006 | 30 | 562 | -97 | -8.8 | -4.7 | -0.07 | -0.02 | 98.9 | 3.09 | 0.2 | 0.9 | 1.5 | -1.5 | 2.9 | 100.0 | 101.2 | 99.3 |
| 2007 | 33 | 661 | -39 | -7.9 | -1.7 | -0.09 | -0.00 | 98.8 | 3.03 | 0.9 | 0.1 | 1.5 | -0.3 | 2.3 | 101.8 | 101.4 | 101.2 |
| 2008 | 48 | 609 | 31 | -5.0 | -0.9 | -0.08 | -0.02 | 98.5 | 3.05 | -0.8 | -1.5 | -0.5 | -0.7 | 1.1 | 100.6 | 100.5 | 99.7 |
| 2009 | 41 | 589 | -145 | -7.7 | -4.5 | -0.01 | 0.01 | 100.3 | 3.00 | 0.3 | -0.3 | -0.5 | 0.1 | 0.9 | 100.9 | 100.1 | 99.7 |
| 2010 | 29 | 726 | -80 | 1.2 | -1.7 | 0.08 | 0.02 | 100.8 | 2.93 | 1.8 | 0.1 | 1.2 | 1.4 | 0.6 | 102.3 | 100.1 | 100.7 |
| 2011 | 23 | 770 | 3 | 7.0 | 1.7 | 0.10 | 0.02 | 100.6 | 3.07 | 1.8 | -0.8 | 0.7 | 2.3 | -0.8 | 101.2 | 100.6 | 100.7 |
| 2012 | 25 | 770 | 138 | 2.4 | 3.1 | -0.05 | -0.02 | 100.1 | 2.97 | 1.6 | 1.3 | 1.0 | 0.9 | 1.3 | 102.1 | 100.9 | 101.7 |
| 2013 | 22 | 828 | 8 | 10.0 | 2.2 | 0.15 | 0.03 | 100.6 | 2.93 | 2.5 | 1.1 | 2.3 | 1.9 | 0.1 | 102.9 | 99.7 | 101.7 |
| 2014 | 15 | 871 | 205 | 13.6 | 8.9 | 0.07 | 0.03 | 99.9 | 2.99 | 2.1 | 1.3 | 2.9 | 0.9 | 0.1 | 101.7 | 99.3 | 103.3 |

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.

Provincial genetic trends by birth year for Guernsey cows
Canadian Dairy Network, August 2017

Quebec

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|------|------|-------|---------|-------|----------|------|------|------|------|------|------|------|-------|-------|-------|
| 2004 | 2 | 736 | 433 | 0.0 | 6.5 | -0.25 | -0.11 | 95.0 | 3.22 | -0.5 | -3.0 | -1.0 | 1.0 | -4.5 | 101.0 | 102.5 | . |
| 2005 | 4 | 538 | -160 | -11.0 | -8.3 | -0.06 | -0.04 | 98.0 | 3.03 | 1.0 | -2.0 | -2.5 | 1.8 | 0.0 | 101.3 | 100.0 | 100.7 |
| 2006 | 3 | 595 | 256 | -11.0 | 2.0 | -0.27 | -0.08 | 96.3 | 3.00 | -0.7 | 0.3 | -1.0 | -0.3 | -0.3 | 100.3 | 99.0 | 97.0 |
| 2007 | 4 | 681 | 97 | -1.0 | 2.5 | -0.08 | -0.02 | 99.0 | 3.03 | 0.3 | 0.0 | -1.3 | 2.0 | -1.3 | 99.8 | 100.5 | 98.3 |
| 2008 | 5 | 746 | 396 | 0.6 | 11.8 | -0.20 | -0.01 | 94.2 | 3.05 | -0.4 | -0.4 | -0.2 | -0.8 | -1.6 | 99.8 | 102.0 | 101.0 |
| 2009 | 4 | 619 | 340 | -6.8 | 7.0 | -0.30 | -0.06 | 96.8 | 3.07 | -1.0 | -2.8 | -0.8 | -0.3 | 1.3 | 100.0 | 96.5 | 100.0 |
| 2010 | 4 | 680 | -123 | 2.0 | 2.8 | 0.12 | 0.10 | 93.8 | 2.94 | 0.0 | 0.0 | -0.3 | 0.0 | -1.3 | 101.0 | 98.3 | 100.8 |
| 2011 | 1 | 900 | 104 | 9.0 | 2.0 | 0.07 | -0.02 | 98.0 | 2.79 | 7.0 | 6.0 | -1.0 | 7.0 | 1.0 | 102.0 | 101.0 | 100.0 |
| 2012 | 1 | 1051 | 1480 | 43.0 | 43.0 | -0.27 | -0.10 | 92.0 | 3.27 | -5.0 | -7.0 | -4.0 | -4.0 | -2.0 | 96.0 | . | . |
| 2013 | 2 | 943 | 848 | 16.5 | 16.0 | -0.27 | -0.17 | 95.5 | 3.06 | 3.0 | -0.5 | -0.5 | 4.5 | 0.0 | 101.0 | . | . |
| 2014 | 2 | 1424 | 1869 | 64.5 | 51.5 | -0.20 | -0.14 | 89.5 | 3.27 | 1.0 | 0.5 | 3.5 | -0.5 | -2.0 | 99.5 | . | . |

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.

Provincial genetic trends by birth year for Guernsey cows
Canadian Dairy Network, August 2017

Ontario

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|-----|------|------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2004 | 125 | 569 | -121 | -8.0 | -3.8 | -0.03 | 0.01 | 97.7 | 3.06 | 0.4 | -0.1 | -0.4 | 0.3 | 1.3 | 100.0 | 99.9 | 99.9 |
| 2005 | 108 | 516 | -118 | -9.5 | -4.9 | -0.06 | -0.01 | 98.7 | 3.08 | 0.2 | 0.7 | -0.9 | -0.4 | 1.8 | 99.6 | 99.0 | 99.0 |
| 2006 | 100 | 617 | 51 | -4.8 | 0.4 | -0.10 | -0.01 | 97.8 | 3.08 | -0.2 | 0.5 | 0.6 | -1.2 | 2.1 | 99.8 | 101.0 | 98.7 |
| 2007 | 100 | 645 | -21 | -6.9 | -0.3 | -0.08 | 0.01 | 99.0 | 3.09 | 1.0 | 0.6 | 0.4 | 0.2 | 1.8 | 100.1 | 101.7 | 100.6 |
| 2008 | 117 | 630 | -22 | -4.3 | -0.3 | -0.05 | 0.01 | 98.3 | 3.06 | 0.5 | -0.0 | -0.4 | 0.3 | 1.8 | 100.0 | 100.6 | 99.1 |
| 2009 | 85 | 731 | 131 | 4.3 | 3.8 | -0.02 | -0.01 | 98.9 | 3.00 | 0.6 | 0.2 | -0.3 | 0.5 | 0.7 | 101.0 | 100.2 | 99.3 |
| 2010 | 105 | 690 | -103 | -1.3 | -2.6 | 0.05 | 0.01 | 99.4 | 2.98 | 1.3 | 0.1 | 0.2 | 1.3 | 0.4 | 101.9 | 100.8 | 101.0 |
| 2011 | 99 | 727 | 72 | 0.9 | 1.5 | -0.03 | -0.01 | 100.4 | 3.03 | 1.9 | 0.4 | 0.6 | 2.2 | 0.2 | 101.2 | 100.2 | 100.1 |
| 2012 | 97 | 747 | 100 | 3.6 | 1.6 | -0.00 | -0.02 | 98.8 | 2.97 | 2.7 | 1.7 | 1.3 | 2.0 | 1.1 | 101.6 | 98.9 | 101.0 |
| 2013 | 75 | 806 | 57 | 5.2 | 3.0 | 0.05 | 0.02 | 99.5 | 2.97 | 2.9 | 1.5 | 1.2 | 2.8 | 0.9 | 102.1 | 100.9 | 101.7 |
| 2014 | 44 | 746 | 95 | 4.5 | 3.5 | 0.01 | 0.01 | 100.3 | 3.00 | 1.3 | 0.3 | 0.0 | 1.3 | 0.9 | 101.1 | 99.0 | 99.5 |

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.

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Alberta

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|-----|------|-------|---------|-------|----------|-------|------|------|------|------|------|------|-------|----|-----|
| 2004 | 1 | 324 | -699 | -23.0 | -21.0 | 0.11 | 0.04 | 101.0 | 3.15 | -1.0 | -2.0 | 1.0 | -1.0 | -3.0 | 100.0 | . | . |
| 2006 | 1 | 465 | -119 | -6.0 | -4.0 | -0.01 | 0.02 | 104.0 | 3.17 | -2.0 | -3.0 | -1.0 | -2.0 | -3.0 | 97.0 | . | . |
| 2007 | 1 | 487 | 227 | -12.0 | 4.0 | -0.31 | -0.05 | 101.0 | 3.09 | 0.0 | 7.0 | 1.0 | -4.0 | -1.0 | 95.0 | . | . |
| 2008 | 1 | 382 | -75 | -18.0 | -7.0 | -0.21 | -0.06 | 101.0 | 3.11 | -3.0 | 2.0 | 1.0 | -5.0 | -4.0 | 98.0 | . | . |
| 2009 | 1 | 447 | -30 | -9.0 | 0.0 | -0.12 | 0.01 | 98.0 | 3.30 | -4.0 | -5.0 | -4.0 | -2.0 | -5.0 | 97.0 | . | . |
| 2010 | 1 | 317 | 391 | -13.0 | 0.0 | -0.43 | -0.17 | 100.0 | 3.27 | -4.0 | -1.0 | -5.0 | -3.0 | -3.0 | 93.0 | . | . |

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.

Provincial genetic trends by birth year for Guernsey cows
Canadian Dairy Network, August 2017

British Columbia

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|------|------|-------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2004 | 5 | 664 | -387 | -12.4 | -11.4 | 0.07 | 0.03 | 100.2 | 2.96 | 5.0 | 2.0 | 3.2 | 5.0 | 1.6 | 103.2 | 100.3 | 98.4 |
| 2005 | 4 | 551 | 65 | -7.8 | -2.8 | -0.14 | -0.06 | 101.8 | 3.01 | -0.5 | -0.3 | -1.8 | -0.8 | 0.5 | 100.5 | 99.0 | 100.0 |
| 2006 | 2 | 485 | -463 | -20.5 | -10.5 | -0.01 | 0.08 | 97.0 | 3.17 | 1.0 | 0.5 | 1.0 | -1.0 | 2.0 | 101.5 | 101.0 | 102.0 |
| 2007 | 4 | 460 | -79 | -23.0 | -6.8 | -0.28 | -0.05 | 97.3 | 3.11 | -0.3 | 0.8 | 0.5 | 0.3 | -1.0 | 98.3 | 101.0 | 96.5 |
| 2008 | 6 | 747 | 219 | -2.8 | 4.7 | -0.17 | -0.04 | 96.7 | 2.92 | 1.8 | 2.5 | 3.0 | 0.0 | 2.5 | 102.8 | 98.6 | 101.0 |
| 2009 | 6 | 1024 | 410 | 24.0 | 14.7 | 0.10 | 0.01 | 97.8 | 2.83 | 5.5 | 5.7 | 1.2 | 5.0 | 1.8 | 101.8 | 98.6 | 99.0 |
| 2010 | 1 | 1253 | 1544 | 42.0 | 35.0 | -0.31 | -0.22 | 92.0 | 2.73 | -2.0 | -1.0 | 2.0 | -2.0 | 3.0 | 103.0 | 102.0 | 96.0 |
| 2011 | 7 | 730 | 50 | -0.6 | -1.7 | -0.03 | -0.04 | 99.9 | 2.93 | 2.4 | 1.1 | 2.4 | 2.9 | -1.3 | 102.4 | 98.6 | 99.4 |
| 2012 | 6 | 1304 | 1475 | 45.5 | 37.3 | -0.20 | -0.15 | 95.0 | 3.02 | 1.8 | -0.3 | 0.3 | 2.0 | 0.5 | 103.0 | 100.3 | 102.0 |
| 2013 | 10 | 933 | 333 | 18.8 | 9.2 | 0.08 | -0.02 | 98.9 | 2.93 | 3.1 | 0.7 | 0.6 | 3.1 | 0.5 | 102.6 | 100.5 | 101.0 |
| 2014 | 5 | 1002 | 557 | 20.8 | 15.2 | -0.03 | -0.02 | 99.6 | 2.96 | 3.4 | 2.0 | 2.4 | 3.2 | -0.2 | 101.8 | 101.0 | 104.0 |

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.